

Wednesday, May 6, 2009

File: 18070-02-02 Mine No.: 0700412

Pumptown Quarry Inc. 31992 South Fraser Way Abbotsford BC, V2T 1V6

Dear Sir:

Re: Mine Inspection April 30, 2009 Property: Pumptown Quarry

Enclosed are two copies of my Inspection Report for the above noted property and date.

Please have this report posted in a conspicuous place on the property accessible to the workers in accordance with Section 30(1) of the Mines Act.

As noted on page one of the report, please fill in the appropriate areas responding to the Inspector's comments, sign and date the first page, initial the subsequent page(s) and return a copy with your comments to the writer.

Yours truly,

Gerry Barcelonia Inspector of Mines



Province of British Columbia MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

Mining & Mineral Division

Report of Inspector of Mines (Issued pursuant to Section 15 of the *Mines Act*)

Inspection No.: 16329

File: 18070-02-02

Mine No.: 0700412

Permit No .:

Emp/Cont: 0 / 0

Orders H&S: 0 RECL: 0

Stop Work: 0

Inen	action	Report	

NAME OF MINE Pumptown Quarry LOCALITY 49.117, -122.113

ABBOTSFORD

OWNER/OPERATOR Pumptown Quarry Inc. ADDRESS 31992 South Fraser Way

Abbotsford BC V2T 1V6

MANAGER Scott Campbell AREAS INSPECTED

Persons Contacted

MANAGEMENT

OHS COMMITTEE

WORKERS

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

The mine was not active during the time of visit. It was noticed that the pit is very accessible through the Quadling Road by the public exposing them to falling rocks from unstable mining walls and other excavation. The manager shall provide a fence along Quadling Road to prevent inadvertent access to these hazards by any unauthorized person. *Section 6.24.1*.

Notice to this effect shall be posted at all road entrances to the mine by the mine manager, for non-operating mines, the contact information of a qualified person shall be included in the notice. **Section 1.3.2**

Gerry Barcelonia		-	Emilieu	
Manager of Exploration	and Mining	Signature	- Inspector of Mines	
Suite 340 -1675 Doug	glas Street Victoria BC V8W 9M9			
Address		Signature	– Manager	
Date of Inspection:	4/30/2009	Dated:		, 20
Copies To	E. Taje			



Tuesday, January 19, 2010

File: 18070-02-02 Mine No.: 0700412

Pumptown Quarry Inc. 260-2655 Clearbrook Road Abbotsford BC, V2T 2Y6

Dear Sir:

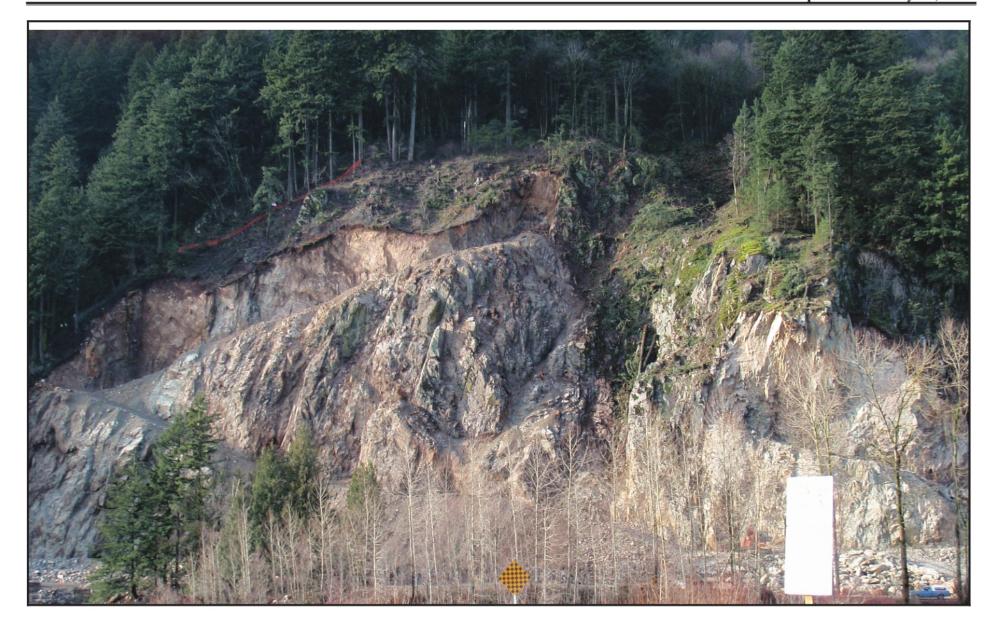
Re: Mine Inspection January 12, 2010 Property: Pumptown Quarry

Enclosed are two copies of my Inspection Report for the above noted property and date.

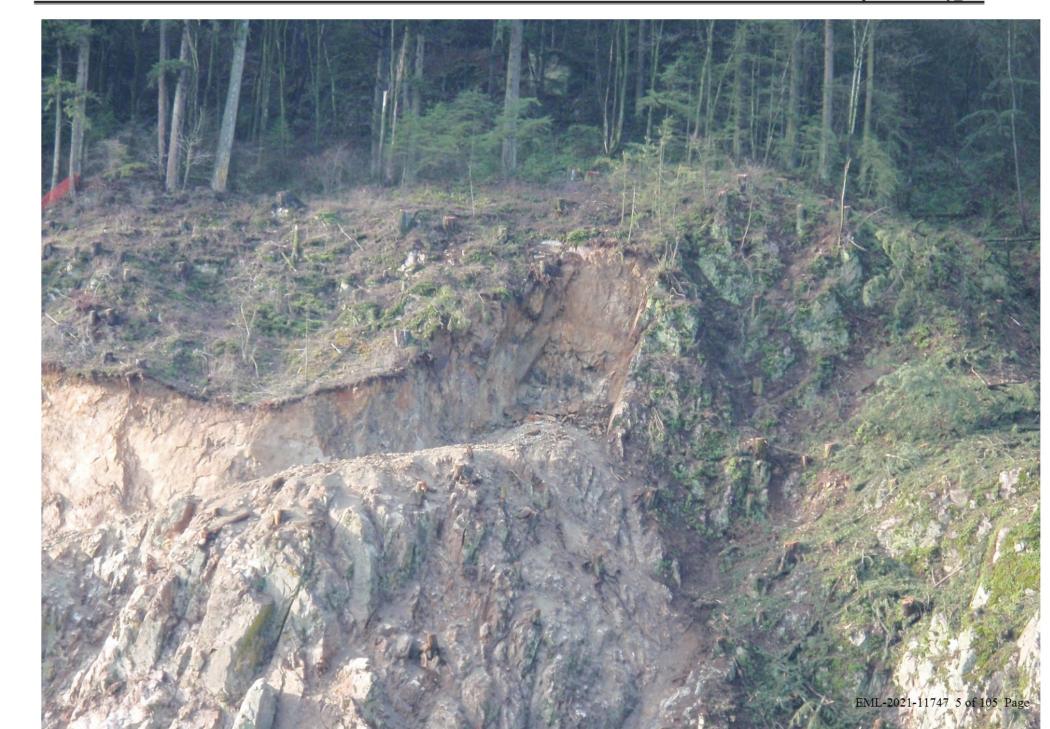
Please have this report posted in a conspicuous place on the property accessible to the workers in accordance with Section 30(1) of the Mines Act.

As noted on page one of the report, please fill in the appropriate areas responding to the Inspector's comments, sign and date the first page, initial the subsequent page(s) and return a copy with your comments to the writer.

Yours truly	,		
Gerry Barc	elonia		
Mines Insp	ector		



page i of iii EML-2021-11747 4 of 105 Page







Province of British Columbia MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

Mining & Mineral Division

Report of Inspector of Mines (Issued pursuant to Section 15 of the *Mines Act*)

Inspection No.: 17321

File: 18070-02-02 Mine No.: 0700412

Permit No.: Q-7-086

Orders H&S: 0 RECL: 0

/ 0

Stop Work: 0

Inen	action	Report	

NAME OF MINE Pumptown Quarry LOCALITY 49.117, -122.113

ABBOTSFORD

Emp/Cont:

OWNER/OPERATOR Pumptown Quarry Inc. ADDRESS 31992 South Fraser Way

Abbotsford BC V2T 1V6

MANAGER Scott Campbell AREAS INSPECTED

Persons Contacted

MANAGEMENT

Patrick McSweeney

OHS COMMITTEE

WORKERS

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

The visit was accompanied by Mike Olsen-Inspector of Mines to validate a complaint received by telephone regarding excessive blasting noise on January 8, 2010. The development access road is advanced using semi-horizontal to horizontal blast holes currently at the upper section of the quarry. The following deficiencies were noticed during the visit that require immediate action;

- There is no developed blasting procedure. The
 manager shall develop a written blasting procedure and
 shall be kept at the office available to an inspector.
 The blasting procedure shall include safe procedure in
 transporting, handling, loading, clearing, guarding and
 firing of each and every blast. This shall be complied
 with in 15 days.
- The blast was not supervised by a professional engineer as required in the amended permit condition.
 All blasting operation shall be supervised by a professional engineer registered in BC in accordance to

Gerry Barcelonia		- Emiline	
Mines Inspector		Signature – Inspector of Mines	
Suite 340 -1675 Dou	glas Street Victoria BC V8W 9M9		
Address		Signature – Manager	
Date of Inspection:	1/12/2010	Dated:	, 20
Conies To	F. Taje		7

Date of Inspection

1/12/2010

	INSPECTION ORDERS	MANAGERS RESPONSE OF ACTION TAKEN
	the amended permit condition.	
3.	There is no monthly wall stability inspection report by a professional engineer. The manager shall ensure that a monthly wall stability inspection is conducted in accordance with the permit condition and a copy of the report shall be available to and inspector on request.	
4.	The blast monitoring equipment SN: 2259 shall not be used until it is re-calibrated.	

Initials _____ (Inspector) Initials _____ (Manager)



Friday, March 19, 2010

File: 18070-02-02 Mine No.: 0700412

Pumptown Quarry Inc. 260-2655 Clearbrook Road Abbotsford, BC V2T 2Y6

Dear Sir:

Re: Mine Inspection March 18, 2010 Property: Pumptown Quarry

Enclosed is a copy of my Inspection Report for the above noted property and date.

Please have this report posted in a conspicuous place on the property accessible to the workers in accordance with Section 30(1) of the Mines Act.

No contraventions were noted, no response to this report is required

Michael Olsen Inspector of Mines

Enclosures

Yours truly,



Province of British Columbia MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

Mining & Mineral Division

Report of Inspector of Mines (Issued pursuant to Section 15 of the *Mines Act*)

Inspection No.: 17556

File: 18070-02-02

Mine No.: 0700412

Permit No.:

Emp/Cont: 0 / 0

Orders H&S: 0 RECL: 0

Stop Work: 0

Inen	action	Report	

NAME OF MINE Pumptown Quarry LOCALITY 49.117, -122.113

ABBOTSFORD

OWNER/OPERATOR Pumptown Quarry Inc. ADDRESS 31992 South Fraser Way

Abbotsford BC V2T 1V6

MANAGER Pat McSweeney AREAS INSPECTED Access road, documents

Persons Contacted

MANAGEMENT Pat McSweeney

OHS COMMITTEE

WORKERS

Copies To

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

On March 18, 2010 it was observed that:

A site inspection was conducted due to concern regarding the top bench access road. The road is used to access the upper bench to further development and is used by track drill and excavator only and is not authorized to be haul road.

It was determined that one area of the access road, approximately 15 meters below switchback, was not wide enough. However, this area and been previously identified as a concern and drilling and blasting has commenced. Upon completion, no concerns will exist regarding the access road for current permitted use.

A review of the previous inspection report, as well as monthly safety meeting minutes was also conducted. There are no outstanding issues.

Note: The site was clean and organized. During discussions with Patrick it was demonstrated that improvements have be made around the screen deck to help mitigate roll or bounce—off of material at the top feed area.

MANAGERS RESPONSE OF ACTION TAKEN

DO NOT MODIFY THIS TEXT

Michael Olsen			
Inspector of Mines		Signature – Inspector of Mines	
PO Box 9395, Stn Pr	ov Govt Victoria BC V8W 9M9		
Address		Signature – Manager	
Date of Inspection:	3/18/2010	Dated:	, 20



Friday, July 9, 2010

File: 18070-02-02 Mine No.: 0700412

Pan Pacific Quadling Quarry Ltd 260-2655 Clearbrook Road Abbotsford BC, V2T 2Y6

Dear Sir:

Re: Mine Inspection July 7, 2010

Property: Pan Pacific Quadling Quarry

Enclosed are two copies of my Inspection Report for the above noted property and date.

Please have this report posted in a conspicuous place on the property accessible to the workers in accordance with Section 30(1) of the Mines Act.

As noted on page one of the report, please fill in the appropriate areas responding to the Inspector's comments, sign and date the first page, initial the subsequent page(s) and return a copy with your comments to the writer.

Yours truly,

Gerry Barcelonia Inspector of Mines



Province of British Columbia MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

Mining & Mineral Division

Report of Inspector of Mines (Issued pursuant to Section 15 of the *Mines Act*)

Inspection No.: 18097

File: 18070-02-02

Mine No.: 0700412

Permit No .:

Emp/Cont: 0 / 0

Orders H&S: 0 RECL: 0

Stop Work: 0

Inspection	Donort

NAME OF MINE Pan Pacific Quadling Quarry LOCALITY 49.117, -122.113

ABBOTSFORD

OWNER/OPERATOR Pan Pacific Quadling Quarry Ltd ADDRESS 260-2655 Clearbrook Road

Abbotsford BC V2T 2Y6

MANAGER Thomas Masney AREAS INSPECTED Crushing Plant

Persons Contacted

MANAGEMENT

Patrick McSweeney

OHS COMMITTEE

WORKERS

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

During the inspection the following deficiencies were noticed;

- 1. Identified some tail pulleys at the crushing plant that were not effectively guarded. The manager shall ensure that all accessible head, tail, drive, and tension pulleys of a conveyor shall be effectively guarded at their nip points and the guards shall extend for a distance of at least 1 m from the nip point in accordance to **Section 4.4.16(6)** of the code. This shall be complied with in 5 days as discussed during the exit meeting.
- Pointed out some accessible conveyor lines that were not provided with pull cord. The manager shall ensure that every accessible section of a conveyor shall be provided with a pull cord to stop the conveyor in an

Gerry Barcelonia		- Anuliu	
Inspector of Mines		Signature – Inspector of Mines	
Suite 340 -1675 Dou	ıglas Street Victoria BC V8W 9M9		
Address		Signature – Manager	
Date of Inspection:	7/7/2010	Dated:	, 20
Conies To	F. Taje		

INSPECTION ORDERS

MANAGERS RESPONSE OF ACTION TAKEN

emergency and the controls shall be arranged so that they have to be reset manually before the conveyor can be restarted after an emergency stop. **Section 4.4.16(4)**. This shall be complied with in 15 days.

- 3. A worker designated to pick up wood chips from a moving belt was ordered to stop because the guarding does not provide enough protection. No work shall be allowed near moving conveyors unless effective guards are in place and a safe work procedure has been developed. The manager shall ensure that the designated worker has been trained to perform the job. This is in pursuant to **Section 4.4.16(11)** of the code.
- 4. The loader shall be provided with wheel chocks in compliance with **Section 4.9.4** of the code.
- 5. The loader operator records the results of his preoperating inspection after the shift. The manager shall ensure that the vehicle operator notes the operating condition **prior** to operating of the vehicle in accordance with **Section 6.19.2** of the code. This shall be complied with immediately.
- 6. The back-up alarm on a loader working near the crushing plant is not audible. The back-up alarm shall be clearly audible above the background noise at the workplace in compliance with **Section 4.9.1(2)** of the code. This shall be complied with immediately,
- 7. The MCC stairway having more than 4 riser shall be provided with standard handrails on both sides in compliance with **Section 4.1.7(1)** of the code. This shall be complied with in 5 days.
- The exhaust of the crusher gen set shall be directed to outside of the shack in compliance with Section
 4.4.12(1) of the code. This shall be complied with immediately.

Initials

7/7/2010

Date of Inspection

S			
/	(Inspector)	Initials	(Manager)



Friday, December 10, 2010

File: 18070-02-02 Mine No.: 0700412

Pan Pacific Quadling Quarry Ltd 260-2655 Clearbrook Road Abbotsford BC, V2T 2Y6

Dear Sir:

Re: Mine Inspection December 3, 2010 Property: Pan Pacific Quadling Quarry

Enclosed are two copies of my Inspection Report for the above noted property and date.

Please have this report posted in a conspicuous place on the property accessible to the workers in accordance with Section 30(1) of the Mines Act.

As noted on page one of the report, please fill in the appropriate areas responding to the Inspector's comments, sign and date the first page, initial the subsequent page(s) and return a copy with your comments to the writer.

Yours truly,

Gerry Barcelonia Inspector of Mines











Ministry of Natural Resource Operations

Report of Inspector of Mines (Issued pursuant to Section 15 of the *Mines Act*)

Inspection No.: 19217

File: 18070-02-02 Mine No.: 0700412

Permit No.: Q-7-086

Emp/Cont: 0 / 0

Orders H&S: 0 RECL: 0

Stop Work: 0

Ins	nection	Report	
1113	Dection	KCDOLL	

NAME OF MINE Pan Pacific Quadling Quarry LOCALITY 49.117, -122.113

ABBOTSFORD

OWNER/OPERATOR Pan Pacific Quadling Quarry Ltd ADDRESS 260 - 2655 Clearbrook Road

Abbotsford BC V2T 1V6

MANAGER Patrick McSweeney AREAS INSPECTED Access road to the upper quarry

Persons Contacted

MANAGEMENT Patrick McSweeney-Manager, Daryl Feiber-Consulting Engineer, David Powel-Operator (phone)

OHS COMMITTEE

WORKERS

Copies To

T Paterson

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

The inspection was conducted in response to a complaint by BC Hydro regarding an undermined high powered cable located above a section of the access road. This cable has been laid decades before the quarry started its operation in 2007 and currently within the mining property. As part of the mining program an access road is needed to reach the upper elevation which involves drilling, blasting and removal of blasted material using an excavator. To protect the cable the permit was amended on September 5, 2007 prohibiting any activity within the 15 meter setback and as agreed between the quarry operator and BC Hydro.

During the inspection it was noticed that the setback distance was encroached, undermining the cable causing it to overhang above the wall of the access road. The access road was advanced to approximately 20 meters further from the exposed cable which

Gerry Barcelonia		- Enu	luc'		
Inspector of Mines		Signature – Insp	pector of Mines		
6 th Floor 1819 Blans	shard Street Victoria BC V8W 9M9				
Address		Signature – Mar	nager		
Date of Inspection:	12/3/2010	Dated:		, 20	
	E. Taje				

INSPECTION ORDERS

MANAGERS RESPONSE OF ACTION TAKEN

compounded the contravention. It was also noticed that the drilling equipment was parked only within 5 meters from an exposed cable with several other drilling accessories and tools laid on the cable.

The activities did not only compromise the safety of the workers as well as contravened to the conditions stipulated in the amended permit.

The manager was ordered to stop all operations at the mine until the concerns are settled with BC Hydro and has developed a procedure acceptable to BC Hydro and the Electrical Inspector of this Ministry when working near high powered cables.

(Inspec

(Inspector) Initials (Manager)



Tuesday, January 18, 2011

File: 18070-02-02 Mine No.: 0700412

Pan Pacific Quadling Quarry Ltd 260-2655 Clearbrook Road Abbotsford BC, V2T 2Y6

Dear Sir:

Re: Mine Inspection January 11, 2011

Property: Pan Pacific Quadling Quarry

Enclosed are two copies of my Inspection Report for the above noted property and date.

Please have this report posted in a conspicuous place on the property accessible to the workers in accordance with Section 30(1) of the Mines Act.

As noted on page one of the report, please fill in the appropriate areas responding to the Inspector's comments, sign and date the first page, initial the subsequent page(s) and return a copy with your comments to the writer.

Yours truly,

Gerry Barcelonia Inspector of Mines



Ministry of Natural Resource Operations

Report of Inspector of Mines (Issued pursuant to Section 15 of the *Mines Act*)

Inspection No.: 19462

File: 18070-02-02 Mine No.: 0700412

Permit No.:

Emp/Cont: 0 / 0

Orders H&S: 0 RECL: 0

Stop Work: 0

In	spection	Donort

NAME OF MINE Pan Pacific Quadling Quarry LOCALITY 49.117, -122.113

ABBOTSFORD

OWNER/OPERATOR Pan Pacific Quadling Quarry Ltd ADDRESS 260 - 2655 Clearbrook Road

Abbotsford BC V2T 1V6

MANAGER Patrick McSweeney AREAS INSPECTED

Persons Contacted

MANAGEMENT

Patrick McSweeney

OHS COMMITTEE

WORKERS

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

- 1. A haul truck was backed up more than four truck lengths on a leveled road towards a stockpile dump near the hopper. The manager shall not allow haul trucks to back up more than four truck lengths, unless the road has a positive gradient of more than 5% in accordance to **Section 6.20.4(3)** of the code.
- 2. Spray cans at the MCC shack were not properly stored. The manager shall ensure that flammable substances shall be stored in appropriate covered containers in compliance with **Section 2.3.8** of the code. This shall be complied with immediately.
- 3. No lock out procedure was available. The

MA	NA	GERS	RESP	ONSE	OF	ACTION	TAKEN

Gerry Barcelonia		- Endud		
Inspector of Mines		Signature – Inspector of Mines		
6 th Floor Blasnshard	Street Victoria BC V8W 9M9			
Address		Signature – Manager		
Date of Inspection:	1/11/2011	Dated:	, 20	
Copies To	E. Taje			

INSPECTION ORDERS

MANAGERS RESPONSE OF ACTION TAKEN

manager shall develop a lock out procedure in compliance with **Section 4.11.1(1)** of the code, and all workers shall receive adequate training in the procedure and that a written copy shall be posted at conspicuous places. This shall be complied with in 15 days.

- 4. Safety meeting minutes indicated that workers were required to observe the standard work procedure. However, there is no available copy of the standard work procedure at the mine. The manager shall develop a general safety rules and safe work procedures on a departmental basis in compliance with **Section 1.6.9 (1)** of the code. A copy of this procedure shall be available anytime to all workers and to the inspector. This shall be complied with in 30 days.
- 5. It was noticed that the development area has been reactivated without notifying the inspector as required in response to inspection report no. 19217, dated Dec. 3, 2010. The manager shall forward a copy of the new agreement with BC Hydro and safe work procedures for working near the cable. This shall be complied with immediately.

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/	(Inanastar)	Initiala	(Managar)



Monday, November 14, 2011

File: 18070-02-02 Mine No.: 0700412

Pan Pacific Quadling Quarry Ltd 260-2655 Clearbrook Road Abbotsford BC, V2T 2Y6

Dear Sir:

Re: Mine Inspection November 8, 2011

Property: Pan Pacific Quadling Quarry

Enclosed are two copies of my Inspection Report for the above noted property and date.

Please have this report posted in a conspicuous place on the property accessible to the workers in accordance with Section 30(1) of the Mines Act.

As noted on page one of the report, please fill in the appropriate areas responding to the Inspector's comments, sign and date the first page, initial the subsequent page(s) and return a copy with your comments to the writer.

Yours truly,

Gerry Barcelonia Inspector of Mines

Enclosures

6th Floor. 1810 Blanshard Street Victoria



Ministry of Energy and Mines

Report of Inspector of Mines

(Issued pursuant to Section 15 of the Mines Act)

Permit No.:

File:

Inspection No.:

18070-02-02

RECL:

0

21536

Mine No.: 0700412

Emp/Cont: 0 / 0

Orders H&S:

Inspection Report

NAME OF MINE Pan Pacific Quadling Quarry

LOCALITY

49.117, -122.113 ABBOTSFORD

Stop Work:

OWNER/OPERATOR Pan Pacific Quadling Quarry Ltd

ADDRESS

260 - 2655 Clearbrook Road

Abbotsford BC V2T 1V6

MANAGER Patrick McSweeney

AREAS INSPECTED

Pit & crusher

Persons Contacted

MANAGEMENT

Patrick MeSweeney

OHS COMMITTEE

WORKERS

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

MANAGERS RESPONSE OF ACTION TAKEN

A site inspection was conducted on November 8, 2011 and noticed the following deficiency;

1. Section 4.4.7 - Welding and Burning Equipment

Two unsecured high pressure cylinders were noticed standing outside of a storage van near the mine office. The cylinders were immediately relocated and secured by the manager.

Gerry Barcelonia	- Ameliuw	
Inspector of Mines	Signature – Inspector of Mines	
6th Floor Victoria BC V8W 9N3		
Address	Signature – Manager	
Date of Inspection: 11/8/2011	Dated:	, 20
Copies To		



Thursday, March 29, 2012

File: 18070-02-02 Mine No.: 0700412

Pan Pacific Quadling Quarry Ltd 260-2655 Clearbrook Road Abbotsford BC, V2T 2Y6

Dear Sir:

Re: Mine Inspection March 28, 2012

Property: Pan Pacific Quadling Quarry

Enclosed are two copies of my Inspection Report for the above noted property and date.

Please have this report posted in a conspicuous place on the property accessible to the workers in accordance with Section 30(1) of the Mines Act.

As noted on page one of the report, please fill in the appropriate areas responding to the Inspector's comments, sign and date the first page, initial the subsequent page(s) and return a copy with your comments to the writer.

Yours truly,

Gerry Barcelonia Inspector of Mines

Enclosures

6th Floor. 1810 Blanshard Street Victoria



Ministry of Energy and Mines

Report of Inspector of Mines

(Issued pursuant to Section 15 of the Mines Act)

Inspection No.: 22556

File: 18070-02-02 Mine No.: 0700412

Permit No.:

Emp/Cont: / 0

Orders H&S: RECL: 0

Stop Work:

Inspection Report

NAME OF MINE Pan Pacific Quadling Quarry LOCALITY 49.117, -122.113

ABBOTSFORD

OWNER/OPERATOR Pan Pacific Quadling Quarry Ltd **ADDRESS** 260 - 2655 Clearbrook Road

Abbotsford BC V2T 1V6

MANAGER Pit & crusher Patrick McSweeney AREAS INSPECTED

Persons Contacted

MANAGEMENT

Patrick McSweeney

OHS COMMITTEE

WORKERS

deficiencies:

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

A mine inspection was conducted on March 28, 2012 and noticed the following

1. Section 1.6.12 Safety Meeting

Where there are 5 or less workers on a shift, or less than 9 workers in total employed at a mine, there shall be a crew safety meeting.

- a) At the commencement of operations
- b) At least monthly thereafter
- c) Minutes of these meetings shall be kept and made available to the inspector on request.

During the visit the manager cannot provide a copy of the minutes of the safety meetings held at the mine because they were sent to the head office. The manager shall ensure that copies of the minutes for all safety meetings are available at the mine office.

MANAGERS	RESPONSE	OF	ACTION
TAKEN			

Gerry Barcelonia		- Ambuu		
Inspector of Mines		Signature – Inspector of Mines		
6th Floor Victoria B	C V8W 9N3			
Address		Signature – Manager		
Date of Inspection:	3/28/2012	Dated:	, 20	
Copies To				

Date of Inspection

3/28/2012

Initials

INSPECTION ORDERS

MANAGERS RESPONSE OF ACTION TAKEN

2. Section 3.4.1 Confined Space

The mine manager shall ensure that

- (a) written procedures are developed and implemented for work in confined spaces in consultation with the OHSC or worker representative, as applicable,
- (b) an inventory of all confined spaces is maintained,
- (c) each confined space is signed and secured from entry, where practicable, and
- (d) each person who is assigned duties or responsibilities related to entry into a confined space is adequately instructed and trained in confined space entry.

A couple of confined spaces were identified during the visit; the screen deck compartment, and a newly constructed hydro inspection well. The mine has no written procedures for confined space entry due to lack of confined space awareness program. The manager shall ensure that all workers who are required to work in confined spaces shall be provided with proper training, and a written procedure for working in confined spaces that conforms to the code requirement shall be developed. This shall be complied within 30 days.

A			
,	(Inspector)	Initials	(Manager)

EML-2021-11747 28 of 105 Page



Friday, February 15, 2013

File: 18070-02-02 Mine No.: 0700412

Pan Pacific Quadling Quarry Ltd 260-2655 Clearbrook Road Abbotsford BC, V2T 2Y6

Dear Sir:

Re: Mine Inspection February 13, 2013

Property: Pan Pacific Quadling Quarry

Enclosed are two copies of my Inspection Report for the above noted property and date.

Please have this report posted in a conspicuous place on the property accessible to the workers in accordance with Section 30(1) of the Mines Act.

As noted on page one of the report, please fill in the appropriate areas responding to the Inspector's comments, sign and date the first page, initial the subsequent page(s) and return a copy with your comments to the writer.

Yours truly,

Gerry Barcelonia Inspector of Mines



Ministry of Energy and Mines

Report of Inspector of Mines

(Issued pursuant to Section 15 of the Mines Act)

Inspection No.: 25218 File: 18070-02-02 Mine No.: 0700412

Permit No.:

Emp/Cont: / 0

Orders H&S: RECL: 0

Stop Work:

Inspection	Report

NAME OF MINE Pan Pacific Quadling Quarry 49.117, -122.113 LOCALITY

ABBOTSFORD

OWNER/OPERATOR Pan Pacific Quadling Quarry Ltd **ADDRESS** 260 - 2655 Clearbrook Road

Abbotsford BC V2T 1V6

MANAGER Gordon Oakes AREAS INSPECTED

Persons Contacted

MANAGEMENT

Gordon Oakes

OHS COMMITTEE

WORKERS

on site.

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

The mine was not operating during a visit on February 13, 2013. The following concerns were noticed which were discussed with the manager

1. Loose rocks above the crusher - It was noticed that several loose rocks, logs & debris were accumulated on top of a high wall above the crusher area. The accumulated materials shall be cleared within 2 meters from the crest and beyond this distance all unconsolidated materials shall be sloped to an angle less than the natural angle of repose in compliance to Section 6.23.1 of the code. If access cannot be gained to clear the materials, no work shall be conducted around the crusher area until a safe work procedure has been developed to ensure safety of the workers from any material that could fall down in compliance to Section 6.23.2 (3) of the code.

Gerry Barcelonia	- Emilia			
Inspector of Mines	Signature – Inspector of Mines	Signature – Inspector of Mines		
6th Floor Victoria BC V8W 9N3				
Address	Signature – Manager			
Date of Inspection: 2/13/2013	Dated:	, 20		
Copies To				

Date of Inspection

2/13/2013

Initials

INSPECTION ORDERS

- 2. Slope Stability Partially detached wedges were noticed in two sections of the high wall creating an overhang that could compromise the safe access to the upper quarry and to the safety of the workers at the crusher area. This is in contravention to Section 6.23.3 of the code. The manager shall not allow any person to work at any part of the mine until a Geotechnical Engineer, registered in BC has thoroughly inspected all the mining faces and rock walls and has declared that it is safe for any person to work below. Section 15(5) of the Mine's Act allows the inspector to close the mine or part of it until remedial action is taken if in his opinion that a delay in remedying the hazard would be dangerous to persons or property.
- 3. Section 29 of the Mine's Act -The manager is also reminded that "If an inspector makes an order under section 15 (5) (b) or (c), and the manager is unable to provide alternate employment, the manager must pay or cause to be paid to each worker the amount that the worker have earned or been likely to earn for each day the closure continues, up to a maximum of 3 working days."

S			
	(Inspector)	Initials	(Manager)



Ministry of Energy and **Mines**

Report of Inspector of Mines

(Issued pursuant to Section 15 of the Mines Act)

Permit No.:

File:

18070-02-02

27776

0700412 Mine No.:

Inspection No.:

Emp/Cont: / 0

RECL: Orders H&S:

Stop Work:

Inspection Report						
NAME OF MINE	Pan Pacific Quadling Quarry	LOCALITY	49.117, -122.113 ABBOTSFORD			
OWNER/OPERATOR	Pan Pacific Quadling Quarry Ltd	ADDRESS	260 - 2655 Clearbrook Road Abbotsford BC V2T 1V6			
MANAGER	Gordon Oakes	AREAS INSPECTED	Not operating-gate closed			
	Persons Contacted					
MANAGEMENT						
OHS COMMITTEE						
WORKERS						
A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.						
INS	INSPECTION ORDERS		MANAGERS RESPONSE OF ACTION TAKEN			

DO NOT MODIFY THIS TEXT

Gerry Barcelonia	- Ambieu		
Inspector of Mines	Signature – Inspector of Mines		
6th Floor Victoria BC V8W 9N3			
Address	Signature – Manager		
Date of Inspection: 10/24/2013	Dated:	, 20	
Copies To			



February 17, 2014 File: 18070-02-09

Mine No.: 0700412

Pan Pacific Quadling Quarry Ltd 260-2655 Clearbrook Road Abbotsford BC, V2T 2Y6

Dear Sir:

Re: Mine Inspection January 29, 2014

Property: Pan Pacific Quadling Quarry

Enclosed is a copy of my Inspection Report for the above noted property and date.

Please have this report posted in a conspicuous place on the property accessible to the workers in accordance with Section 30(1) of the Mines Act.

As indicated, no response to the report is required.

Yours truly,

Michael Olsen Inspector of Mines



Ministry of Energy and Mines

Mine No.:

File:

28443 18070-02-09

0.70

0700412

Permit No.:

Inspection No.:

Emp/Cont:

RECL:

Orders H&S: Stop Work:

Report of Inspector of Mines

(Issued pursuant to Section 15 of the Mines Act)

ADDRESS

Inspection Report

NAME OF MINE Pan Pacific Quadling Quarry

LOCALITY 49.117, -122.113

ABBOTSFORD

OWNER/OPERATOR Pan Pacific Quadling Quarry Ltd

260 - 2655 Clearbrook Road

Abbotsford BC V2T 1V6

MANAGER Gordon Oakes AREAS INSPECTED

Persons Contacted

MANAGEMENT n/a

OHS COMMITTEE

WORKERS

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

An inspection was conducted on January 29, 2014.

There was no activity on site. It appears that a care taker is staying on the site however no equipment is present.

The manager is reminded that notification shall be given to our office 10 days prior to activity on the mine.

No response to this report is required.

Michael Olsen		2 an	
Inspector of Mines		Signature – Inspector of Mines	
PO Box 9395, Stn Pr	ov Govt Victoria BC V8W 9M9		
Address		Signature – Manager	
Date of Inspection:	1/29/2014	Dated:	, 20
Copies To			



Ministry of Energy and Mines

Report of Inspector of Mines

(Issued pursuant to Section 15 of the Mines Act)

File: 18070-02-02

Mine No.: 0700412

30536

Permit No.:

Inspection No.:

Emp/Cont:

/ 0 RECL:

Stop Work: 0

Orders H&S:

Inspection	Report

NAME OF MINE Pan Pacific Quadling Quarry LOCALITY 49.117, -122.113

ABBOTSFORD

OWNER/OPERATOR Pan Pacific Quadling Quarry Ltd ADDRESS 260 - 2655 Clearbrook Road

Abbotsford BC V2T 1V6

MANAGER Gordon Oakes AREAS INSPECTED

Persons Contacted

MANAGEMENT

OHS COMMITTEE

WORKERS

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

Inspection was conducted on May 7, 2014 accompanied by Michael Olsen –Permitting Inspector.

The inspectors found contraventions which resulted in the following orders.

Jim McMillan - Health & Safety Inspector

1.Posting Section 1.3.2

Notice to this effect shall be posted at all road entrances to the mine by the manager and, for non operating mines, the contact information for a qualified person shall be included in the notice.

Name and contact information was not posted at the entrance to the site. Access gate was not locked. Several sections of the perimeter fence were missing and replaced by loads of gravel.

James MacMillan						
Inspector of Mines		Signature – Inspector of Mines				
PO Box 9395, Stn P	rov Govt Victoria BC V8W 9M9					
Address			Signature	– Manager		
Date of Inspection:	5/7/2014		Dated:		, 20	
Conica To	Ed Taia					

INSPECTION ORDERS

MANAGERS RESPONSE OF ACTION TAKEN

Electrical Power Systems

2. Codes and Standards Section 5.1.1

All electrical power systems shall be installed, maintained and operated in accordance with CSA Standard M421-00 Use of electricity in Mines.

Cut off power cables were exposed between the site entrance gate and metal light poles that were no longer in use.

All redundant electrical power cables shall be removed from site.

3. Hazardous Waste, Spills, Fuels and Lubricants. Sections 2.3.6, 2.3.7 and 9.9.1

Waste Materials which could be detrimental to a person's health, or could cause a fire of explosion shall be (2) Collected, handled, sorted, and disposed of....

Eight 45 gallon disused oil barrels were found on site, most were empty and 2 were full. One of the full drums was insecure and full of waste oil and oil filters. A minor amount of oil had spilled on the ground form one of the unsecure poorly marked barrels

This area shall be cleaned up as soon as possible after the owners are located.

4. Cover securing the concrete collar enclosing underground water supply piping is missing. Several small accumulations of disused supplies are scattered at the site. Garbage, an apparent PCV septic line from the care takers trailer draining into a pile of rock with evidence of burning garbage at the location.

Caretaker has 30 days to clean up and exit the site.

5. Two old office trailers left from the previous operator are not secure. They appear to be abandoned with disused materials.

Date of Inspection	<u>5/7/2014</u>	Initials	(Inspector)	Initials	(Manager)
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Copies To

Province of British Columbia MINISTRY OF ENERGY AND MINES

Report of Inspector of Mines (Issued pursuant to Section 15 of the *Mines Act*)

Inspection No.: 57838.00

File: 18070-02-02

Mine No.: 0700412

Permit No.:

Emp/Cont: 0.0 / 0.00

Orders H&S: 0.0 RECL: 0.00

Stop Work: 0.00

Inspection Report				
NAME OF MINE	Pan Pacific Quadling Quarry	LOCALITY	49.117, -122.113 ABBOTSFORD	
OWNER/OPERATOR	Pan Pacific Quadling Quarry Ltd	ADDRESS	260 - 2655 Clearbrook Road Abbotsford BC V2T 1V6	
MANAGER	Gordon Oakes	AREAS INSPECTED	Not active-gated signed	
	Persons	Contacted		
MANAGEMENT				
OHS COMMITTEE				
WORKERS				
specific corrective actions taken	he Joint Occupational and Safety Committee and the u n by a specified date, and return a copy to the Inspector y a copy showing the manager's response. In this docu	within 15 days of receiving the rep	oort. Further the manager shall post a copy to the	
INS	SPECTION ORDERS	MANAGERS RESPON	SE OF ACTION TAKEN	
The quarry was not active for a long period, all access were secured and signed.				
		- Andrew		
Gerry Barcelonia Inspector of Mines		Signature – Inspector of Mir	nes	
	W ON2	orginature – mspector or ivili	160	
3rd Floor Victoria BC V8 Address	W AN2	Signature – Manager		
Addiess		Signature – Manager		
Date of Inspection: 201	5/08/20	Dated:	, 20	



Province of British Columbia MINISTRY OF ENERGY AND MINES

Report of Inspector of Mines (Issued pursuant to Section 15 of the *Mines Act*)

Inspection No.: 59656

File: 18070-02-09 Mine No.: 0700412

Permit No.:

Emp/Cont: 0 / 0

Orders H&S: 4 RECL 0

Stop Work: 0

Mine Name: Pan Pacific Quadling Quarry Location: ABBOTSFORD / 49.117, -122.113

Owner/Operator: Astar Quadling Quarry Ltd. Address: PO Box 4114

Abbotsford BC V2S 8R1

Manager: John Olydam Areas Inspected: Pit Floor Area

Date of Inspection: 2015/09/30 **Accompanying Inspector(s):**

Persons Contacted

Management: N/A

OHS Committee:

Workers Contacted:

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

An inspection was conducted on Sept 30, 2015. The site was not in operation.

SECTION :2.2.1 Workplace to Be Hazard Free

The site was littered with garbage, some in piles, other areas strewn about the ground. The manager shall ensure that work place is free of potential fire hazard and that garbage is picked up and removed from the site. This shall be complied with immediately.

SECTION :2.3.4 Proper Containers

There are various barrels onsite with varying contents. The manager shall ensure that if these are to be stored onsite they all have secure lids, are correctly labelled, MSDS sheets are available onsite for each controlled product and there is a spill kit available in the event of a

MANAGER'S RESPONSE:

Michael Olsen	y an
Inspector of Mines	Signature – Inspector of Mines
3rd Floor, 1810 Blanshard Victoria BC V8W 9M9	
Address	Signature – Manager
Copies To	Report Date: 2015/11/05

spill. This shall be completed immediately.

SECTION :3.4.1(c) Work in Confined Spaces

The confined space with the cement collar is not properly secured to prevent access or signed to indicate its presence onsite. This shall be complied with immediately.

SECTION :6.24.1 General Mine Rules

The access to the surface shall be entirely fenced due to the nature of the operation. The manager shall ensure that the existing fencing onsite is extended to secure the excavations. This shall be complied with in 30 days.

It should be noted that only work on the pit floor and any outstanding contraventions, including those listed above, shall be authorized at this time. This shall also include the cleaning, leveling of the pit floor and removal of stockpiles.

The previous mine plan, permit, geotechnical assessments and associated documentation are under review. No development or work other than that mentioned above is authorized.

**Please ensure that the Owner/Operator, Manager, and mailing address information is correct. In addition please include the office telephone number, cell and email of the mine manager for our records.

Date of Inspection	<u>2015/09/30</u>	Initials	(Inspector)	Initials	(Manager)



Province of British Columbia MINISTRY OF ENERGY AND MINES

Report of Inspector of Mines (Issued pursuant to Section 15 of the *Mines Act*)

Inspection No.: 60376

File: 18070-02-09

Mine No.: 0700412

Permit No.:

Emp/Cont: 0 / 0

Orders H&S: 2 RECL 0

Stop Work: 0

Mine Name: Quadling Quarry Location: ABBOTSFORD / 49.117, -122.113

Owner/Operator: Astar Quadling Quarry Ltd. Address: PO Box 4114

Abbotsford BC V2S 8R1

Manager: John Olydam Areas Inspected: Pit Floor, Development Road and to Top

Bench

Date of Inspection: 2015/11/25 **Accompanying** Michael Cullen, P. Eng - Inspector of Mines,

Inspector(s): Geotechnical

Persons Contacted

Management: Herb Dunton, John Olydam, John Glacema, B.Smale, Howard Ratzlaff

OHS Committee:

Workers Contacted: 0

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

On Nov 25, 2015 a site inspection was conducted to with the management and operators of the site and for a Geotechnical Inspection to be conducted by Ministry staff Michael Cullen and Victor Marques. Their report is forthcoming.

Company representatives in attendance include; Herb Dunton, John Olydam, John Glacema, B.Smale, Howard Ratzlaff

As discussed previously, only the pit floor is currently approved for work. This approval is conditional to the completion of contraventions found in this report as well as the previous report (#59656), which is attached.

MANAGER'S RESPONSE:

Michael Olsen	2 ac		
Inspector of Mines	Signature – Inspector of Mines		
3rd Floor, 1810 Blanshard Victoria BC V8W 9M9			
Address	Signature – Manager		
Copies To	Report Date: 2015/12/08		

SECTION :6.23.3 Surface Mine Faces and Bench Heights

Conditional to carrying out work on the pit floor the manager shall establish a catchment berm of 8 meters from the toe of the face. The purpose of this berm is to protect any persons working on the pit floor form the potential of rock fall from the face. No other work on the pit floor shall be carried out until this is completed.

SECTION: 6.24.1 General Mine Rules

As identified in inspection report # 59656 from Sept 9, 2015 the manager shall extend the length of the fencing to secure access to the surface excavations. The manager shall ensure that the fencing is installed by Jan 8, 2016.

SECTION :1.3.2 Postings

The manager shall ensure that adequate signage is provided along the fence in various locations. This signage shall warn of the presence of a mine, the name of the operator and a valid contact telephone number in the event that an emergency arises. This shall be completed by Jan 8, 2016.

Upon completion of the catchment berm and the extension of the fencing with adequate signage, the remaining outstanding contraventions from the Sept 9, 2015 inspection report shall be addressed.

Date of Inspection	2015/11/25	Initials	(Inspector)	Initials	 (Manager)



MINISTRY OF ENERGY AND MINES

Mines and Mineral Resources Division

REPORT OF GEOTECHNICAL INSPECTOR

(Issued pursuant to Section 15 of the Mines Act)

Name of Property: Quadling Quarry File No: 18070-02-07

Mine #: 0700412 Inspection #: 60936

Permit No.: Report Date: 2015/12/17

Mine Manager: Herb Dunton, John Olydam
Company Astar Quadling Quarry Ltd.

Address PO Box 16024

Abbotsford BC V2T 2Y6

Persons Contacted:

Copies To:

Date of Inspection: 2015/11/25

Accompanying Michael Cullen, P. Eng - Inspector of Mines, Geotechnical

Inspectors: Michael Olsen - Inspector of Mines

In this document, "Code" means the Health, Safety and Reclamation Code for Mines in British Columbia

Please see attached inspection report

INTRODUCTION

DOCUMENTS REVIEWED

AREAS VISITED

OBSERVATIONS AND INSPECTION ORDERS

CLOSURE

Under Section 15 (6) of the Mines Act, a written response is required from the Mine Manager within 15 days of the receipt of this Inspection Report. In addition, Section 30 (1) of the Mines Act requires this Inspection Report to be posted in a conspicuous location at the mine site for 30 days.

Victor Marques Senior Geotechnical Inspector Ministry of Energy & Mines

Ple	Please feel free to contact the undersigned with any questions or comments.		



Province of British Columbia MINISTRY OF ENERGY AND MINES

Report of Inspector of Mines

Permitting

(Issued pursuant to Section 15 of the Mines Act)

Inspection No.: 70137
File: 18070-02-09

Mine No.:
Permit No.:

Emp/Cont: 0 / 0

Orders H&S: 0 RECL 0

0700412

Stop Work: 0

Mine Name: Quadling Quarry Location: ABBOTSFORD / 49.117, -122.113

Owner/Operator: Astar Quadling Quarry Limited Address: PO Box 4114

Abbotsford BC V2S 8R1

Manager: John Olydam Areas Inspected: Pit Floor, Access road

Date of Inspection:2016/10/03AccompanyingJennifer McConnachie, MSc, PAg. - Senior

Inspector(s): Inspector of Mines, Reclamation

Persons Contacted

Management: N/A

OHS Committee:

Workers Contacted:

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the Manager's Response section, noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

<u>PREAMBLE</u>: On October 3, 2016 an inspection was conducted. I was accompanied by Senior Inspector of Mines Jennifer McCannachie. The mine has not been in operation for more than 3 years.

INSPECTION ORDERS:

There are outstanding orders from pervious inspection reports that have not yet been complied with. It has come to my attention that the mine has again changed ownership. The Permittee is reminded that until such time as we receive a name change request and a replacement bond for the site, the existing Permittee is liable for all activity on the mine.

Please contact our office for further details. In addition the Permittee is not permitted to conduct any development or new activity on the mine until such time as all outstanding compliance issues have been resolved, a response to the Geotechnical Report has been received by our office and the proposed work plan has been approved.

I can be contacted at (250) 953-3881.

Michael Olsen	2 an
Inspector of Mines	Signature – Inspector of Mines
3rd Floor, 1810 Blanshard Victoria BC V8W 9M9	
Address	Signature – Manager
Copies To	Report Date: 2016/11/02

The Permittee is required to provide an update to the status of this mine by Jan 30, 2017. Failure to do so may lead to further action under Section 35 of the Mines Act.					
MANAGER'S	RESPONSE:				
Date of Inspection	2016/10/03	Initials _	(Inspector)	Initials	(Manager)

Report of Inspector of Mines Page 2 of 2



Thursday, February 02, 2017

File: 18070-02-02 Mine No.: 0700412

Astar Quadling Quarry Limited PO Box 16024 Abbotsford BC, V2T 2Y6

Dear Sir:

Re: Mine Inspection January 26, 2017 Property: Quadling Quarry

Enclosed are two copies of my Inspection Report for the above noted property and date.

Please have this report posted in a conspicuous place on the property accessible to the workers in accordance with Section 30(1) of the Mines Act.

As noted on page one of the report, please fill in the appropriate areas responding to the Inspector's comments, sign and date the first page, initial the subsequent page(s) and return a copy with your comments to the writer.

Gerry Barcelonia Inspector of Mines, Health & Safety

Enclosures

Yours truly,

Victoria Telephone : (25 952 0495 Facsimile : (250) 953 3878

6th Floor. 1810 Blanshard Street Victoria



Province of British Columbia MINISTRY OF ENERGY AND MINES

Report of Inspector of Mines Mining (H & S)

(Issued pursuant to Section 15 of the Mines Act)

Inspection No.: 72418
File: 18070-02-02

Mine No.: 0700412

Permit No.:

Emp/Cont: 0 / 0

Orders H&S: 0 RECL 0

Stop Work: 0

Mine Name: Quadling Quarry Location: ABBOTSFORD / 49.117, -122.113

Owner/Operator: Astar Quadling Quarry Limited Address: PO Box 4114

Abbotsford BC V2S 8R1

Manager: John Olydam Areas Inspected: Pit not operating

Date of Inspection: 2017/01/26 **Accompanying Inspector(s):**

Persons Contacted

Management:

OHS Committee:

Workers Contacted:

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the Manager's Response section, noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

PREAMBLE:

This quarry has not been activated for a number of years.

INSPECTION ORDERS:

1. Section 1.3.2 Posting

It was found that the signage did not have a contact number. The manager shall include the contact information of a qualified person in the posting of signage as required in the code. This shall be complied within 10 days

MANAGER'S RESPONSE:

Gerry Barcelonia	- Ameline		
Inspector of Mines, Health & Safety	Signature – Inspector of Mines		
3rd Floor Victoria BC V8W 9N3			
Address	Signature – Manager		
Copies To D. Caughil	Report Date: 2017/02/02		



Report of Inspector of Mines -

Issued pursuant to Section 15 of the Mines Act

Inspection Number:

130632

File Number:

Permit Number:

Q-7-086

Total Orders:

2

Mine Name/Number Quadling Quarry 0700412

Latitude/Longitude 49.11592, -122.11236

Visit Date 2019-06-14

Type of Mining Q. ROCK QUARRY

Location

Northing/Easting/Zone 564773, 5440722, 10U

Manager Brent Palmer

Permittee Carlium Developments Inc.

Phone Numbers (604) 767 7467

Address 40251 Quadling Rd

Email

Abbotsford

BC V3G 2T2

Inspector Geronimo Barcelonia.

Accompanying Inspector

Address PO Box 9395, STN PROV

GOVT

INSPECTOR

Victoria, B.C. V8W 9M9

In Attendance

Copies to D. Caughill, J. Dunkley, J. McMillan

The Mine Manager is required to provide a written response within 15 days of receiving the inspection report. The Manager's response must outline the remedial steps taken by a specified date and the work still outstanding. A copy must be provided to the inspector, and in the case of health and safety matters, the occupational health and safety committee and the local union. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

General Observation: Perimeter fence,

Latitude/Longitude:

Northing/Easting/Zone:

During the visit, it was found that the property was well fenced throughout the perimeter. A catchment cushion made of approximately half a meter thick of sand bed was laid outside the perimeter fence which is apparently outside the mine footprint. The catchment bed with a side berm was installed below the quarry ramp where incidents of rock falls is rampant that often times bouncing off beyond the fence and unto the shoulders of Quadling Road. It was designed to catch and contain any rock from the upper quarry from bouncing off to Quadling Road. No work was conducted at the mine during the visit.

Inspector

Manager Initials

Report Date: 2019-06-21

Quadling Quarry 0700412

Geronimo Barcelonia

Page 1 of 3

Order 1 (Inspection Mines):

Issued Pursuant To: Mines Act Section 15(4)

Section 1.3.2, Health, Safety and Reclamation Code for Mines in BC (MA), Posting

Observation of Contravention:

It was observed that the signage at the entrance gate was missing.

Remedial Action/Results To Be Obtained:

Proper signage shall be posted at all road entrances to the property that conforms to section 1.3.2 of the code. This shall be complied within 5 working days.

Rectify By/Completion Date: 2019-06-27

Manager Response:

Signage was ordered before this inspection to comply with the code, we are waiting on delivery of the signs. Expected delivery date is June 28 / 2019

The signage will be posted right away after delivery.

Order 2 (Inspection Mines):	Order 2	(Inspection	Mines)	1:
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Issued Pursuant To: Mines Act Section 15(4)

Section 4.1.6, Health, Safety and Reclamation Code for Mines in BC (MA), Storage of Materials

Observation of Contravention:

Rocks falling off from the upper quarry could bounce off towards Quadling Road which may endanger the public on the road.

Remedial Action/Results To Be Obtained:

The drop zone of the falling rocks within the mine property shall be provided with warning signs to prevent persons from inadvertently entering. This shall be complied with in 5 working days.

Rectify By/Completion Date: 2019-06-27

Inspector Manager Initials Report Date: 2019-06-21 Quadling Quarry 0700412

Geronimo Barcelonia Page 2 of 3

Status: Open

Status: Open

Manager Response:

Signage was ordered before the inspection and we are waiting on delivery, expected delivery date June 28 2019

The signage be installed as soon as received.

We are currently working with the federal and provincial government at this time, as we have been stopped from working on the rock which has been falling onto Quaddling Road, due to the nesting birds, we have made them aware of the danger to the general public over this and are awaiting their reply. Info from the agencies available if requested

Received by	Brent Polme Bunded	on	Jane 21/2019.
	[Mine Manager Name, Title]		[Date]
Signature:	MM	_	

Ministry of Energy and Mines

ADVICE OF GEOTECHNICAL INCIDENT

PART A: To be completed by mine management to document geotechnical incidents.

APPLICABILITY OF THIS FORM

This form applies to any geotechnical incident classified as a dangerous occurrence or to any geotechnical incident that requires changes to an existing standard operating procedure or the creation of a site-specific safe work plan. In addition, any multi-bench pit slope failure, spoil failure resulting in full loss of the crest berm, or dam embankment instability (regardless of size) is to be documented on this form. This form is not intended for single bench failures fully captured by catchment berms or for "sliver" failures on spoils not resulting in a dangerous occurrence.

GENERAL INFORMATION				
Name of Mine: Quadling Quarry	Permit Number: Q-7-086			
Mining Company: MountainSide Quarries	Location: Quadling Road			
Manager: Brent Palmer Appropriate Contact: Brent Palmer				
Phone: 604 309 3460 Phone: 604 309 3460				
Part of Mine Involved/Affected: South West Corne	er			
Date of Event: On Going	Probable Time:			
Summary of Incident: Rock falling onto Quddling Road and Abbotsfords rightaway from				
the Abbotsford property (old quarry site) and the	Quadling Quarry site			
Type of slope: ☑ Pit Wall ☐ Waste Rock Spoil ☐	☐ Dam Embankment ☐ U/G Rockfall ☐ Other			
DETAILS OF EVENT				
Potential triggers (weather, mining activity, etc.):	Weather			
Volume or Mass Involved / Type of Material:2	5 meters / rock			
failure clone angle).	anism, run-out distance, slope height, and pre/post and off property from areas left by past operators			
no catchment areas and no means of reaching pr	roblem area without construction of access road			
Damage or Consequences: damage to quarry f	encing rock landing on or near to public roadways			
Immediate (Short-term) Actions Taken by Mine: _i	nformed EMPR / City of Abbotsford and our enginners			
of the rock fall / keeping rock clear from the road	surfaces			

ADVICE OF GEOTECHNICAL INCIDENT OR UNUSUAL OCCURRENCE

PART B: To be completed by mine management to document follow-up actions.
Date / Time of Incident (if Part B not submitted at same time as Part A):
Follow-up actions by in-house geotechnical personnel: reports and plans being prepaired
to be sent to all parties
Has this incident been discussed with / reviewed by a geotechnical consultant? yes
Follow-up actions recommended by geotechnical consultant (if applicable): to be in report
Any required changes to standard operating procedures? no quarry not yet in operation
Any site-specific safe work plan(s) required? yes
Report from mine (including plans and section) or other attachments?
1.)
2.)
3.)
Items to be forwarded at a future date / expected date of submission?
1.) report from Braun Engineering / week of December 14 2020
2.) report from Fieber Rock Engineering/ week of December 14 2020
3.)
Additional Comments: This problem has been reported many times in the past to all parties.
Permitting from many different government bodies on this site has prevented it from being dealt with in
any safe or long lasting way.



Report of Inspector of Mines - Health and Safety

Issued pursuant to Section 15 of the Mines Act

Inspection Number:

162201

File Number:

Permit Number:

Q-7-086

Total Orders:

2

Mine Number:

0700412

Mine Name/Number Quadling Quarry 0700412

Type of Mining Q. ROCK QUARRY Latitude/Longitude 49.11592, -122.11236 Visit Date 2020-12-03

Location

Northing/Easting/Zone 564773, 5440722, 10U

Permittee Carlium Developments Inc.

Inspector Jim Dunkley, INSPECTOR

Address PO Box 9395, STN PROV

GOVT

Victoria, B.C. V8W 9M9

In Attendance

Copies to

Accompanying Inspector

The Mine Manager is required to provide a written response within 15 days of receiving the inspection report. The Manager's response must outline the remedial steps taken by a specified date and the work still outstanding. A copy must be provided to the inspector, and in the case of health and safety matters, the occupational health and safety committee and the local union. Appeals to a decision, order or ruling must made in writing to the Chief Inspector within 30 days after the issue date of the inspection report. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

General Area Observations: Northwest corner of property that is the source of ongoing rockfall

Latitude/Longitude:

Northing/Easting/Zone:

The land owner and/or permit holder have indicated a number of times that rocks keep falling from the upper elevations of the mine site. This has been brought to the attention of the City of Abbotsford who in turn have brought in to the Ministry's attention.

Inspector Jim Dunkley

Manager Initials

Report Date: 2020-12-03

Quadling Quarry Mine No. 0700412

Brent Palmer

Page 1 of 4 EML-2021-11747 54 of 105 Page

Order 162201-S1-O1 (Inspection Mines):

Issued Pursuant To: Mines Act Section 15(4) Section 15, Mines Act (293/1996), Inspections

Observation of Contravention:

On November 19, 2020 EMPR (now EMLI) was notified by City of Abbotsford staff via phone call of numerous rockfall events that resulted in rock originating from the mine site and spilling beyond the mine boundary and into an area frequently accessed by the public. Photos forwarded via email to EMLI on November 25, 2020 appear to show that the rockfall is occurring at the south end of the site where the rock slope is closest to Quadling Road. Quadling Road is a public paved road that serves as the only access to at least one other business and several residences. A delay in remedying the rockfall hazard may be dangerous to persons or property.

Remedial Action/Results To Be Obtained:

Pursuant to Section 15(5) of the Mines Act, the Mine Manager shall take immediate remedial action to remedy the rockfall hazard to Quadling Road and any other public areas. At a minimum, this should include immediate scaling of the south slope, per the recommendations of the Report "Use of Existing Access Route", by Fieber Rock Engineering Services dated May 7 2019.

Rectify By/Completion Date: 2020-12-04

Manager Response:

Scaling of the slope was completed in June of 2019 as per Fieber's report Rock is also falling from Abbotsfords property and was brought to Abbotsfords attention in control 2019.

The immediate action that needs to take place to stop this on going rock fall, is the construction of the access road and catchment areas as per the mine plans, at this time their is no access to this area.

We are currently working on a permitt which will allow us to drill and blast for the construction of the road and catchment areas as per our mines permit.

(If your response doesn't fit here, please attach a document.)

Order 162201-S1-O2 (Inspection Mines):

Issued Pursuant To: Mines Act Section 15(4)

Section 18, Mines Act (293/1996), Engineering report

Observation of Contravention:

On November 19, 2020 EMPR (now EMLI) was notified by City of Abbotsford staff via phone call of numerous rockfall events that resulted in rock originating from the mine site and spilling beyond the mine boundary and into an area frequently accessed by the public. Photos forwarded via email to EMLI on November 25, 2020 appear to show that the rockfall is occurring at the south end of the site where the rock slope is closest to Quadling Road. Quadling Road is a public paved road that serves as the only access to at least one other business and several residences.

Remedial Action/Results To Be Obtained:

Inspector

Jim Dunkley

Manager Initials

Report Date: 2020-12-03

Quadling Quarry

Status: Open

Status: Open

Brent Palmer

Mine No. 0700412

Pursuant to Section 18 of the Mines Act, the Mine Manager shall provide an independent study (Engineering Report) assessing the cause of the rockfall events and providing recommendations for mitigation of future rockfall events. This study shall be completed by a Professional Engineer. This study shall include, but not be limited to:

- Review of the slope to identify the potential cause(s) of the rockfall events and consider whether the rockfall is a precursor to a larger slope failure; and.
- Recommendations to prevent safety hazards to public areas and to maintain future rockfall events on the mine property.

Rectify By/Completion Date: 2020-12-18

Manager Response:

An engineering report by Braun Engineering and Fieber Rock Engineering was requested after receiving this

Fieber has already made a site inspection and is preparing a report

Braun has begun his report and recommendations which we should have shortly

(If your response doesn't fit here, please attach a document.)

Advisory 162201-S1-A1

Site Specific Condition 7. reads:

No area of the mine site above the mine floor shall be accessed by staff or equipment until the area has been assessed by a qualified professional engineer (QPE) and deemed safe for access and work. All such assessments must be recorded and signed by the QPE and copies of the records kept on site and made available to the inspector upon request. a. Should site conditions change, areas are to be reassessed by the QPE.

This condition is consistent with the current orders.

Advisory Response:

Respond Date:

Advisory 162201-S1-A2

Site Specific Condition 16.d. reads:

The Permittee shall submit an Advice of Geotechnical Incident form to the Chief Inspector for any geotechnical incident that is classified as a dangerous occurrence or any other incident as described in the EMPR Advice of Geotechnical Incident form.

Please follow the 'APPLICABILITY OF THIS FORM' section found at the top of PART A

Advisory Response:

Respond Date:

Inspector

Manager Initials

Report Date: 2020-12-03

Quadling Quarry Mine No. 0700412

Jim Dunkley

Brent Palmer





Report of Inspector of Mines - Health and Safety

Issued pursuant to Section 15 of the Mines Act

Inspection Number:

166266

File Number:

Permit Number:

Total Orders: Mine Number: n

0700412

Mine Name/Number Quadling Quarry 0700412

Visit Date 2021-03-12

Type of Mining BCL

Location

Latitude/Longitude 49.11592, -122.11236

Northing/Easting/Zone 564773, 5440722, 10U

Permittee Developments Inc.

Inspector Jim McMillan, INSPECTOR

Accompanying Inspector

Address PO Box 9395, STN PROV

GOVT

Victoria, B.C. V8W 9M9

In Attendance Brent Palmer, Manager, Quadling Quarry

Copies to Chris Crawford, Todd Richie, Jim Dunkley

The Mine Manager is required to provide a written response within 15 business days of receiving the inspection report. The Manager's response must outline the remedial steps taken by a specified date and the work still outstanding. A copy must be provided to the inspector, and in the case of health and safety matters, the occupational health and safety committee and the local union. Appeals to a decision, order or ruling must made in writing to the Chief Inspector within 30 days after the issue date of the inspection report. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

Introduction

The quarry was inspected in response to recent public complaints about public safety and the close proximity of the public road to the high faces within the quarry.

General Area Observations: Quarry, adjacent public road, safety berms.

Latitude/Longitude:

Northing/Easting/Zone:

An excavator was working on the access ramp up into the quarry.

Steep faces have been well scaled. Geotechnical reports and ongoing monitoring has been conducted as previously ordered.

Effective safe working procedures were observed to be in place.

The safety shoulder barrier along the adjacent public road was observed to be constructed to design specifications with additional fencing planned to be installed on top of the berm.

The site was secure.

A medical aid injury involving a logging support worker that occurred on the site on January 29, 2021was reviewed with the manager. The injury was noted to have been an isolated fall due to working on uneven ground typical for the type of work being undertaken. No deficiencies or issues specific the job site were noted.

Inspector

Jim McMillan

Manager Initials

Report Date: 2021-03-19

Quadling Quarry Mine No. 0700412

Page 1 of 2

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1.	. 16) CZ	

No orders or advisories were made as a result of the inspection.

[Mine Manager Name, Title]

Received by

Brent Polmin Mine Manager

[Date]

Inspector

Jim McMillan

Manager Initials

Report Date: 2021-03-19



Inspection Number:

168625

File Number: Permit Number:

Total Orders: 0

Mine Number: 0700412

Report of Inspector of Mines - Health and Safety

The inspection was conducted in response to recent public complaints made regarding the operation of the quarry.

Mine Name/Number Quadling Quarry 0700412 Visit Date 2021-04-23

Type of Mining BCL Location

Northing/Easting/Zone 564773, 5440722, 10U Latitude/Longitude 49.11592, -122.11236

Permittee Carlium Developments Inc.

Inspector Jim McMillan, INSPECTOR Accompanying Inspector Paul Hughes, Inspector;

Address PO Box 9395, STN PROV

GOVT

Victoria, B.C. V8W 9M9

In Attendance Brent Palmer, Manager, Mountain Side Quarries

Copies to Chris Crawford, Todd Ritchie

The Mine Manager is required to provide a written response within 15 business days of receiving the inspection report. The Manager's response must outline the remedial steps taken by a specified date and the work still outstanding. A copy must be provided to the inspector, and in the case of health and safety matters, the occupational health and safety committee and the local union. Appeals to a decision, order or ruling must made in writing to the Chief Inspector within 30 days after the issue date of the inspection report. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

Introduction

Accompanying on the inspection were the mine manager and Mr. Paul Hughes geotechnical inspector. A separate geotechnical report will be made by Mr. Paul Hughes.

General Area Observations: Quarry including access road and the area of the recent blast.

Latitude/Longitude:

Northing/Easting/Zone:

The quarry was in operation with trucks being loaded for haulage off site.

The blast, conducted earlier in the week, was completed without issue and within allowable noise and vibration limits. Rock surfaces in the quarry were generally dry, no runoff or ground water was noted on the mine site. Water required for use on site is trucked in and stored on tanks.

Quarry walls are monitored and inspected daily by the mine manager.

The geotechnical consultants, employed by the company, conduct inspections on a regular basis including post blast visits.

Scaling as required is carried out by the blasting contractor.

A section of the required perimeter fence, at the south end of the public road, was incomplete at the time of the visit. Five workers were on site. Crushing and screening equipment has been set up on site.

Inspector	Manager Initials	Report Date: 2021-05-03	Quadling Quarry
Jim McMillan			Mine No. 0700412
			EML-2 P2bd 1767 260 of 105 Pag

Closure				
No orders or adv	isories were made at the time of the inspection	n.		
Received by		on		
	[Mine Manager Name, Title]		[Date]	
Signature:				

Inspector Manager Initials

Jim McMillan

Report of Inspector of Mines - Health and Safety Quadling Quarry 0700412



FIEBER ROCK ENGINEERING SERVICES

300 – 3665 KINGSWAY, VANCOUVER, B.C. V5R 5W2 TEL: 604-431-8061 FAX: 604-521-7372

February 8, 2010

FILE COPY

To:

Mr. Patrick McSweeney,

Manager,

Pumptown Quarry Inc., 260-2655 Clearbrook Rd., Abbotsford, BC V2T 2Y6

Re:

Slope Inspection - Pumptown Quarry West 2000 Access Road

1. Introduction

At your request, I inspected the cut slopes on the above access road on February 4, 2010. At the time of my inspection, the heading had reached approximately Sta. 0+330. In order to cross a major draw beyond this point it was necessary to turn the direction of the ramp upslope, changing the azimuth of the road by about 40°.

2. Slope Stability

The inspection focused on the portion of the road above the switchback (near Sta. 0+160) where deposits of overburden soils and stumps comprise the primary rockfall hazard on the access road. A crew from Pacific Blasting Ltd. was on site during my inspection, carrying out scaling of the overburden.

Photo 1 shows the access ramp from the switchback to the area where the heading direction changes at Sta. 0+280. Scaling of the overburden and crest of the cut are recommended in the indicated area. As shown in the photo, dominant jointing in the rock is approximately 70°/140° which roughly parallels the orientation of the road cut. A secondary joint set, which is more prominent in the bottom areas of the ramp, is perpendicular to the cut. This has resulted in rock slopes that have exposed relatively few adverse joints.

Since turning the access upslope at Sta. 0+280 however, some instability has been encountered as the cut is at an angle to the dominant jointing and therefore trimming and scaling of the rock face is recommended, as shown in Photo 2.

Because the hazards east of Sta. 0+280 are in the active work area, the recommended stabilization in Photo 2 should be completed before any further drilling and blasting of the heading is undertaken. Scaling of the ramp from the switchback to Sta. 0+280 can be considered a lower priority, which will allow personnel and equipment to travel through the area but not to work below the cut faces.

2. Blasting

During my inspection, changes in the blasting and detonation procedures were also discussed. In blasting the bulk of the West 2000 ramp the blaster has been detonating the inside holes of the slash rounds first. This has the effect of confining the charge and reducing throw of flyrock from the blast face. Since dominant jointing was oriented parallel to the cut, any overbreak would usually come out with the blast or could be scaled with the hoe to a stable face. Due to the change in heading direction past Sta. 0+280 and the fact that more adverse structure is being exposed in the face, it is recommended that the detonation sequence be changed so that holes on the inside of the slash round are fired last. This will give more relief to these holes and reduce the potential for backbreak.

A further change discussed involves increasing the diameter of the borehole to 75 mm (3 inches) to allow for easier loading of the holes. As only cartridge explosives are currently being loaded, this change will not result in an increase in the powder factor.

I recommend that you apply for an amendment to the permit so that these changes can be made for subsequent blasts.

Please call if you if you have any questions on the above.

Yours sincerely,

Daryl F. Fieber, P.Eng.

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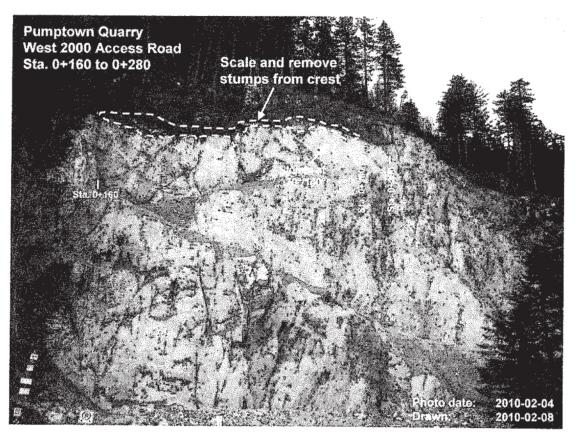


Photo 1 View of slope showing the West 2000 access road. In the upper portion of the ramp, the main slope stability hazards are the overburden and crest areas of the cut, where scaling is recommended.

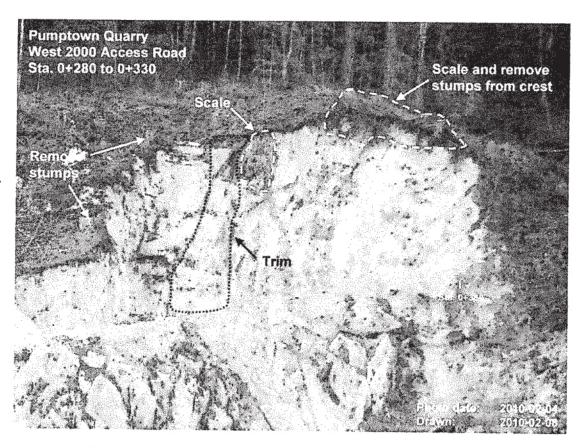


Photo 2 View of the upper portion of the access ramp at the current heading. The road cut changes direction at around Sta. 0+280 (photo left), resulting in some undercutting of the major structure and increasing the potential for blasting backbreak.



MINISTRY OF ENERGY AND MINES

Mines and Mineral Resources Division

REPORT OF GEOTECHNICAL INSPECTOR

(Issued pursuant to Section 15 of the Mines Act)

Name of Property: Pumptown Quarry Permit No.: Q-7-086

Mine Manager: John Olydam

Company: Astar Quadling Quarry Ltd

Address: PO Box 4114 Abbotsford, BC

V2S 8R1

Persons Contacted: Herb Dunton, John Olydam

Copies To: Al Hoffman, Chief Inspector of Mines

Diane Howe, Deputy Chief Inspector of Mines, MEM

Michael Olsen, Mines Inspector, MEM

Heather Narynski, A/Manager Geotechnical Engineering, MEM

Date of Inspection: November 25, 2015

In this report "Code" means the Health Safety and Reclamation Code for Mines in British Columbia

Introduction

A geotechnical inspection of the Pumptown Quarry was completed on November 25, 2015 by Michael Cullen and Victor Marques. The purpose of this inspection was as follows:

- To review if the Mine is meeting the intent of the geotechnical requirements of the Code.
- To review if the Mine is meeting the intent of the geotechnical conditions in its Mine Permit.
- To review if geotechnical engineering practices at the Mine are consistent with generally accepted practices at mines in British Columbia.
- To provide general comment on geotechnical conditions at the mine.

This report is governed by the conditions and limitations set forth in the Mines Act and Code, and has been prepared in a manner consistent with the level of care and skill ordinarily exercised for such work at Mines in BC, subject to the time limits and physical constraints applicable to the work. This report is based on a review of select reports and work areas at the Mine, and cannot practically cover the entire mine site. Professional reliance has been used throughout this inspection.

A "high level" review of available geotechnical information of the quarry was completed. The review focused on assessing whether the intent of geotechnical requirements of the Code and Permit are being met, and whether the investigations, analysis, results and recommendations appear to be consistent with generally accepted engineering practices at mines in BC. Detailed assessment of field investigations,

assumptions, and calculations in the reports was not completed. The geotechnical reports reviewed included:

- Geotechnical Site Assessment Report, October 2006; AMEC
- Geotechnical Risk Assessment Report, January 2007; Thurber
- Permit Application Addendum, January 2007; McElhanney
- Blasting at Pumptown Quarry, July 2007; Fieber
- Test Blast Observations Memo, August 2007; Brawner
- Proposed Quarry Expansion, August 2007; Thurber
- Blasthole Loading, September 2007; Fieber
- Slope Inspection Access Road, February 2010; Fieber

This report summarizes MEM's observations, comments, and recommendations based on the mine site tour, review of technical reports, and technical discussions with Mine staff. Where required, inspection orders have been issued. For ease of reference the Mine Manager is asked to respond in red text in the space provided below each inspection order. Unless otherwise noted, the geotechnical inspection orders are made under either Section 18(a) of the Mines Act, or Part 1.1.2 or 6.1.1 of the Code.

MEM considers that any recommendations made by a professional engineer relating to health and safety or geotechnical stability shall be followed by the Mine unless an alternative recommendation is provided in writing by a qualified professional engineer.

OBSERVATIONS COMMENTS AND INSPECTION ORDERS

The site inspection was completed by Michael Cullen, Mike Olsen and Victor Marques of MEM, accompanied by John Olydam (Mine Manager) and Herb Dunton (President - CNI) as well as the proponents geotechnical representative Benjamin Smale (Western Geotechnical). The site consists of an excavation cut into a steep slope at the base of Sumas Mountain along Quadling Rd. (see Photo 1).

At the time of inspection there was no mining activity and no mining equipment on site. It is understood that the quarry stopped producing two years ago. Work has been permitted at the pit floor in order to comply with general safety and site maintenance requirements but the existing permit, mine plan and geotechnical documentation is under review.

The quarry consists of granite and/or granodiorite which is generally fair to good quality. The south end of the excavation (near the access ramp switchback) was visibly poorer quality: slightly to moderately weathered with steeply dipping faults and sub-parallel joint sets. The rock appeared to be susceptible to wedge failure and planar toppling as evidenced by the dilated joints observed near the crest of some rock cuts (Photos 2 and 3).

The access ramp to the top of the quarry is located at the south end of the site. The access ramp switchbacks up a steep section very near the property limits and public road. The ramp was measured to have a grade greater than 40% in some locations. As such it has only been utilized by tracked equipment. Mined rock was pushed over the benches and mucked from the pit floor as it was not possible to haul material down the ramp in its current configuration. As it is not considered a haul road it is acceptable for the design of the road to be less than the Code requires for haul roads – however the ramp design must be approved by a qualified professional engineer and benches must meet Code and Permit conditions. There have been several rockfalls from the cut slopes above the road, see Photos 4, 5 and 6. There is evidence of semi-detached blocks and potential for further rockfall that will affect the access trail. The cut faces above the access trail exceed 20m in height. There is evidence of several fill slope failures along the access trail; it appears that sections of the trail remain supported on oversteep fill.

There may be potential to create a safe access road however this requires further investigation. There will always remain a high potential for toppling, planar and wedge failure due to the steeply dipping joint sets and a shallow dipping joint set daylighting out of the face. Some failure is usually expected and is addressed with additional catch bench or ramp width – often with a rockfall ditch or berm. The ramp appeared to be too narrow, based on the potential for some material to ravel down from the bench face and the likely size of equipment to be used (Photos 4 and 5).

The existing cut face in the center of the quarry is over 30m high from the pit floor (Photo 7). There is evidence of a recent large failure from this face (Photo 8). The quarry face continues toward the north side of the property where it is overlain by vegetation. A root bulb was observed partially overhanging the north rock face.

The existing Mine Permit allows for a double bench height of 20m, with 70 degree face angle and 8m wide benches. The existing permit states that fly rock shall be prevented and that every blast shall be designed by a blasting expert, who will determine the best way to address fly rock.

Based on discussions at site it is understood that the Mine will be submitting a revised Mine Plan and Reclamation Program by March 2016. Furthermore it was discussed that MEM would wait until this document was received to revise and finalize the permit amendment that is currently in draft.

Inspection Orders:

As per Section 6.8.1 of the code an updated Mine Plan shall be submitted to the Chief Inspector prior to start of mining. The Mine Plan shall provide future mining plans/design and shall be in compliance with the Code. The Mine Plan shall include (but not be limited to):

- *Updated topography of the site*;
- Access ramp alignment, design sections and grades;
- Updated geotechnical assessment and design of bench configuration and overall slope including:
 - o proposed maximum bench height and minimum as constructed width;
 - o an assessment of pit stability for bench, inter-ramp, and overall scale;
 - o an assessment of rockfall hazard and proposed methods to mitigate rockfall hazard (e.g. controlled blasting, scaling, standard operating procedures, adequacy of the bench width to capture and contain falling material).
- Details on the prevention of flyrock;
- An assessment of potential geohazards upslope that could impact the mine;
- Safe work procedures for activities such as:
 - o blasting:
 - o operating equipment on or beneath the access ramp or benches;
 - o casting material over the crest of benches; and
 - o scooping material from the toe of the overcast pile from the pit floor.

As per section 6.1.1 (3) the Chief Inspector requires that the person completing the Mine Design be a qualified Professional Engineer.

Manager's response: A qualified engineer will be hired for this project.

No further mining is to occur until an updated mine plan/design is accepted by the Chief Inspector. An update to the permit is under consideration.

Manager's response: Understood

As per Section 6.23.1 of the Code, any unconsolidated soils within 2m of the pit crest shall be removed and sloped less than the angle of repose. See photos 8, 9 and 10 for examples of overburden at the pit crest.

Manager's response: understood

Above the pit floor no work is to be carried out until the stability of the walls has been assessed by a qualified professional and a safe work procedure established for operating equipment on the access ramp and benches, and the review of the existing permit is completed.

Manager's response: Understood

Survey and blasting controls are to be put in place to ensure that the as constructed benches are consistent with the approved design and Sections 6.23 of the Code.

Manager's response: Understood

All blasts are to be designed by a qualified professional engineer. Flyrock contolls are to be implemented such that no flyrock leaves the property.

Manager's response: Understood

Prior to equipment accessing the upper quarry the stability of the existing access trail shall be assessed by a qualified professional engineer. The stability of both the cut slope and fill slope is to be assessed Manager's response: Understood

All bench faces along the access ramp and above active work areas shall be check scaled. A catchment berm shall be built below any detached rock slabs that cannot be scaled down.

Manager's response: Understood

As per Section 6.5.1 of the Code, no work shall be carried out on, at, or below a face or wall of a surface mine until that face or wall has been examined and declared safe by the shiftboss. The results of the examination shall be recorded in the daily log book.

Manager's response: Understood

Geological, geotechnical, and hydrological conditions encountered during pit development shall be assessed, based on the recommendations of a qualified professional engineer, to detect early signs of instability and to confirm design assumptions.

Manager's response: Understood

While the pit is in operation a pit wall monitoring program to assess performance and detect early signs of instability shall be implemented based on the recommendations of a qualified professional engineer. The monitoring program shall include details of instrumentation, monitoring frequency, trigger thresholds, and trigger response plan.

Manager's response: Understood

Annual inspections of pit slopes shall be undertaken by a qualified professional engineer and an annual report submitted to the Chief Inspector by March 31 of the year following the inspection. The report shall include:

- Observations made during the inspections
- Summary of monitoring and instrumentation data.
- Assessment of design versus actual bench and pit performance.
- Updated pit plans.
- Conclusions and recommendations.

Manager's response: Understood

A geotechnical incident report shall be submitted to the Regional Health and Safety Inspector of Mines in the event of a single bench failure resulting in a dangerous occurrence (as defined by the section 1.7.3 of Code) and in the event of a multi-bench failure, regardless of consequence.

Manager's response: Understood

Dated: December 17, 2015

CLOSURE

Under Section 15 (6) of the Mines Act, a written response is required from the Mine Manager within 15 days of the receipt of this Inspection Report. Please address response to undersigned with copies to Gerry Barcelonia and Heather Narynski. In addition, Section 30 (1) of the Mines Act requires this Inspection Report to be posted in a conspicuous location at the mine site for 30 days.

Ministry of Energy and Mines

per

Victor Marques, P.Eng

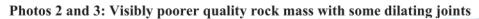
Vidor Margues

per

Michael Cullen P.Eng

Photo 1: Google street view image of quarry from Quadling Rd

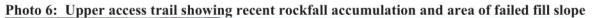






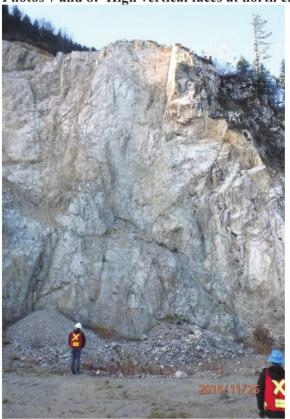
Photos 4 and 5: Access ramp with evidence of failures





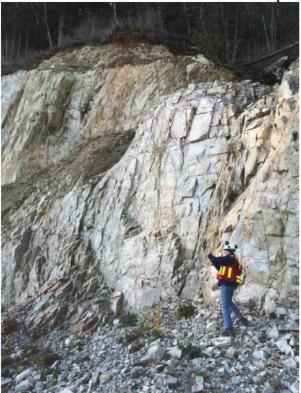


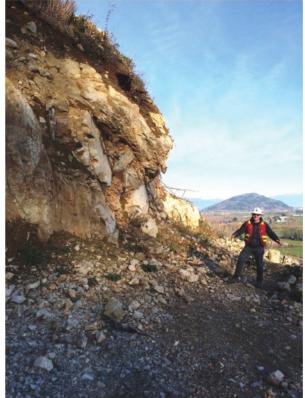
Photos 7 and 8: High vertical faces at north end of site





Photos 9 and 10: Overburden at crest of slope







MINISTRY OF ENERGY AND MINES

Mines and Mineral Resources Division

REPORT OF GEOTECHNICAL INSPECTOR

(Issued pursuant to Section 15 of the Mines Act)

Name of Property: Pumptown Quarry Permit No.: Q-7-086

Mine Manager: John Olydam

Company: Astar Quadling Quarry Ltd

Address: PO Box 4114 Abbotsford, BC

V2S 8R1

Persons Contacted: Herb Dunton, John Olydam

Copies To: Al Hoffman, Chief Inspector of Mines

Diane Howe, Deputy Chief Inspector of Mines, MEM

Michael Olsen, Mines Inspector, MEM

Heather Narynski, A/Manager Geotechnical Engineering, MEM

Date of Inspection: November 25, 2015

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in this report. Code inicalis the recattle safety and rectamation code for lythics in British Columbia

Introduction

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- To review if the Mine is meeting the intent of the geotechnical requirements of the Code.
- To review if the Mine is meeting the intent of the geotechnical conditions in its Mine Permit.
- To review if geotechnical engineering practices at the Mine are consistent with generally accepted practices at mines in British Columbia.
- To provide general comment on geotechnical conditions at the mine.

This report is governed by the conditions and limitations set forth in the Mines Act and Code, and has been prepared in a manner consistent with the level of care and skill ordinarily exercised for such work at Mines in BC, subject to the time limits and physical constraints applicable to the work. This report is based on a review of select reports and work areas at the Mine, and cannot practically cover the entire mine site. Professional reliance has been used throughout this inspection.

A "high level" review of available geotechnical information of the quarry was completed. The review focused on assessing whether the intent of geotechnical requirements of the Code and Permit are being met, and whether the investigations, analysis, results and recommendations appear to be consistent with generally accepted engineering practices at mines in BC. Detailed assessment of field investigations,

assumptions, and calculations in the reports was not completed. The geotechnical reports reviewed included:

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- Permit Application Addendum, January 2007; McElhanney
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- Test Blast Observations Memo, August 2007; Brawner
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- Slope Inspection Access Road, February 2010; Fieber

This report summarizes MEM's observations, comments, and recommendations based on the mine site tour, review of technical reports, and technical discussions with Mine staff. Where required, inspection orders have been issued. For ease of reference the Mine Manager is asked to respond in red text in the space provided below each inspection order. Unless otherwise noted, the geotechnical inspection orders are made under either Section 18(a) of the Mines Act, or Part 1.1.2 or 6.1.1 of the Code.

MEM considers that any recommendations made by a professional engineer relating to health and safety or geotechnical stability shall be followed by the Mine unless an alternative recommendation is provided in writing by a qualified professional engineer.

OBSERVATIONS COMMENTS AND INSPECTION ORDERS

The site inspection was completed by Michael Cullen, Mike Olsen and Victor Marques of MEM, accompanied by John Olydam (Mine Manager) and Herb Dunton (President - CNI) as well as the proponents geotechnical representative Benjamin Smale (Western Geotechnical). The site consists of an excavation cut into a steep slope at the base of Sumas Mountain along Quadling Rd. (see Photo 1).

At the time of inspection there was no mining activity and no mining equipment on site. It is understood that the quarry stopped producing two years ago. Work has been permitted at the pit floor in order to comply with general safety and site maintenance requirements but the existing permit, mine plan and geotechnical documentation is under review.

The quarry consists of granite and/or granodiorite which is generally fair to good quality. The south end of the excavation (near the access ramp switchback) was visibly poorer quality: slightly to moderately weathered with steeply dipping faults and sub-parallel joint sets. The rock appeared to be susceptible to wedge failure and planar toppling as evidenced by the dilated joints observed near the crest of some rock cuts (Photos 2 and 3).

The access ramp to the top of the quarry is located at the south end of the site. The access ramp switchbacks up a steep section very near the property limits and public road. The ramp was measured to have a grade greater than 40% in some locations. As such it has only been utilized by tracked equipment. Mined rock was pushed over the benches and mucked from the pit floor as it was not possible to haul material down the ramp in its current configuration. As it is not considered a haul road it is acceptable for the design of the road to be less than the Code requires for haul roads – however the ramp design must be approved by a qualified professional engineer and benches must meet Code and Permit conditions. There have been several rockfalls from the cut slopes above the road, see Photos 4, 5 and 6. There is evidence of semi-detached blocks and potential for further rockfall that will affect the access trail. The cut faces above the access trail exceed 20m in height. There is evidence of several fill slope failures along the access trail; it appears that sections of the trail remain supported on oversteep fill.

There may be potential to create a safe access road however this requires further investigation. There will always remain a high potential for toppling, planar and wedge failure due to the steeply dipping joint sets and a shallow dipping joint set daylighting out of the face. Some failure is usually expected and is addressed with additional catch bench or ramp width – often with a rockfall ditch or berm. The ramp appeared to be too narrow, based on the potential for some material to ravel down from the bench face and the likely size of equipment to be used (Photos 4 and 5).

The existing cut face in the center of the quarry is over 30m high from the pit floor (Photo 7). There is evidence of a recent large failure from this face (Photo 8). The quarry face continues toward the north side of the property where it is overlain by vegetation. A root bulb was observed partially overhanging the north rock face.

The existing Mine Permit allows for a double bench height of 20m, with 70 degree face angle and 8m wide benches. The existing permit states that fly rock shall be prevented and that every blast shall be designed by a blasting expert, who will determine the best way to address fly rock.

Based on discussions at site it is understood that the Mine will be submitting a revised Mine Plan and Reclamation Program by March 2016. Furthermore it was discussed that MEM would wait until this document was received to revise and finalize the permit amendment that is currently in draft.

Inspection Orders:

As per Section 6.8.1 of the code an updated Mine Plan shall be submitted to the Chief Inspector prior to start of mining. The Mine Plan shall provide future mining plans/design and shall be in compliance with the Code. The Mine Plan shall include (but not be limited to):

- *Updated topography of the site;*
- Access ramp alignment, design sections and grades;
- Updated geotechnical assessment and design of bench configuration and overall slope including:
 - o proposed maximum bench height and minimum as constructed width;
 - o an assessment of pit stability for bench, inter-ramp, and overall scale;
 - o an assessment of rockfall hazard and proposed methods to mitigate rockfall hazard (e.g. controlled blasting, scaling, standard operating procedures, adequacy of the bench width to capture and contain falling material).
- Details on the prevention of flyrock;
- An assessment of potential geohazards upslope that could impact the mine;
- Safe work procedures for activities such as:
 - o blasting:
 - o operating equipment on or beneath the access ramp or benches;
 - o casting material over the crest of benches; and
 - o scooping material from the toe of the overcast pile from the pit floor.

As per section 6.1.1 (3) the Chief Inspector requires that the person completing the Mine Design be a qualified Professional Engineer.

Manager's response:

No further mining is to occur until an updated mine plan/design is accepted by the Chief Inspector. An update to the permit is under consideration.

Manager's response:

As per Section 6.23.1 of the Code, any unconsolidated soils within 2m of the pit crest shall be removed and sloped less than the angle of repose. See photos 8, 9 and 10 for examples of overburden at the pit crest.

Manager's response:

Above the pit floor no work is to be carried out until the stability of the walls has been assessed by a qualified professional and a safe work procedure established for operating equipment on the access ramp and benches, and the review of the existing permit is completed.

Manager's response:

Survey and blasting controls are to be put in place to ensure that the as constructed benches are consistent with the approved design and Sections 6.23 of the Code.

Manager's response:

All blasts are to be designed by a qualified professional engineer. Flyrock contolls are to be implemented such that no flyrock leaves the property.

Manager's response:

Prior to equipment accessing the upper quarry the stability of the existing access trail shall be assessed by a qualified professional engineer. The stability of both the cut slope and fill slope is to be assessed Manager's response:

All bench faces along the access ramp and above active work areas shall be check scaled. A catchment berm shall be built below any detached rock slabs that cannot be scaled down.

Manager's response:

As per Section 6.5.1 of the Code, no work shall be carried out on, at, or below a face or wall of a surface mine until that face or wall has been examined and declared safe by the shiftboss. The results of the examination shall be recorded in the daily log book.

Manager's response:

Geological, geotechnical, and hydrological conditions encountered during pit development shall be assessed, based on the recommendations of a qualified professional engineer, to detect early signs of instability and to confirm design assumptions.

Manager's response:

While the pit is in operation a pit wall monitoring program to assess performance and detect early signs of instability shall be implemented based on the recommendations of a qualified professional engineer. The monitoring program shall include details of instrumentation, monitoring frequency, trigger thresholds, and trigger response plan.

Manager's response:

Annual inspections of pit slopes shall be undertaken by a qualified professional engineer and an annual report submitted to the Chief Inspector by March 31 of the year following the inspection. The report shall include:

- Observations made during the inspections
- Summary of monitoring and instrumentation data.
- Assessment of design versus actual bench and pit performance.
- Updated pit plans.
- Conclusions and recommendations.

Manager's response:

A geotechnical incident report shall be submitted to the Regional Health and Safety Inspector of Mines in the event of a single bench failure resulting in a dangerous occurrence (as defined by the section 1.7.3 of Code) and in the event of a multi-bench failure, regardless of consequence.

Manager's response:

Dated: December 17, 2015

CLOSURE

Under Section 15 (6) of the Mines Act, a written response is required from the Mine Manager within 15 days of the receipt of this Inspection Report. Please address response to undersigned with copies to Gerry Barcelonia and Heather Narynski. In addition, Section 30 (1) of the Mines Act requires this Inspection Report to be posted in a conspicuous location at the mine site for 30 days.

Ministry of Energy and Mines

per

Victor Marques, P.Eng

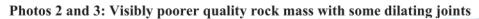
Vidor Margues

per

Michael Cullen P.Eng

Photo 1: Google street view image of quarry from Quadling Rd







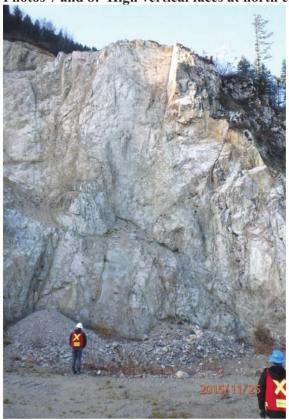
Photos 4 and 5: Access ramp with evidence of failures





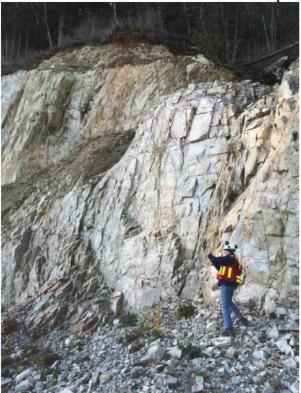


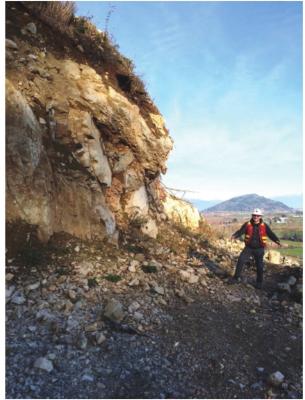
Photos 7 and 8: High vertical faces at north end of site





Photos 9 and 10: Overburden at crest of slope







MINISTRY OF ENERGY AND MINES

Mines and Mineral Resources Division

REPORT OF GEOTECHNICAL INSPECTOR

(Issued pursuant to Section 15 of the Mines Act)

Name of Property: Pumptown Quarry Permit No.: Q-7-086

Mine Manager: John Olydam

Company: Astar Quadling Quarry Ltd

Address: PO Box 4114

Abbotsford, BC

V2S 8R1

Persons Contacted: Herb Dunton, John Olydam

Copies To: Al Hoffman, Chief Inspector of Mines

Diane Howe, Deputy Chief Inspector of Mines, MEM

Michael Olsen, Mines Inspector, MEM

Heather Narynski, A/Manager Geotechnical Engineering, MEM

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Dated: December 17, 2015

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Ministry of Energy and Mines

per

Victor Marques, P.Eng

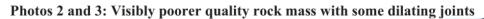
Vidor Margues

per

Michael Cullen P.Eng

Photo 1: Google street view image of quarry from Quadling Rd







Photos 4 and 5: Access ramp with evidence of failures

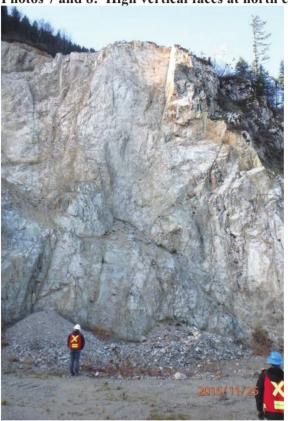




Photo 6: Upper access trail showing recent rockfall accumulation and area of failed fill slope



Photos 7 and 8: High vertical faces at north end of site





Photos 9 and 10: Overburden at crest of slope







Thursday, March 29, 2012

File: 18070-02-02 Mine No.: 0700412

Pan Pacific Quadling Quarry Ltd 260-2655 Clearbrook Road Abbotsford BC, V2T 2Y6

Dear Sir:

Re: Mine Inspection March 28, 2012

Property: Pan Pacific Quadling Quarry

Enclosed are two copies of my Inspection Report for the above noted property and date.

Please have this report posted in a conspicuous place on the property accessible to the workers in accordance with Section 30(1) of the Mines Act.

As noted on page one of the report, please fill in the appropriate areas responding to the Inspector's comments, sign and date the first page, initial the subsequent page(s) and return a copy with your comments to the writer.

Yours truly,

Gerry Barcelonia Inspector of Mines

Enclosures



Province of British Columbia

Ministry of Energy and Mines

Report of Inspector of Mines (Issued pursuant to Section 15 of the Mines Act) Inspection No.:

22556

File:

18070-02-02

Mine No.:

0700412

Permit No.: Emp/Cont:

0 RECL:

Orders 11&5: Stop Work:

Inspection Report

NAME OF MINE

Pan Pacific Quadling Quarry

LOCALITY

49.117. -122.113 ABBOTSFORD

OWNER/OPERATOR

Pan Pacific Quadling Quarry Ltd

ADDRESS

260 - 2655 Clearbrook Road

Abbotsford BC V2T 1V6

MANAGER

Patrick McSweeney

AREAS INSPECTED

Pit & crusher

Persons Contacted

MANAGEMENT

Patrick McSweeney

OHS COMMITTEE:

WORKERS

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the hulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

A mine inspection was conducted on March 28, 2012 and noticed the following deficiencies:

1. Section 1.6.12 Safety Meeting

Where there are 5 or less workers on a shift, or less than 9 workers in total employed at a mine, there shall be a crew safety meeting.

- a) At the commencement of operations
- b) At least monthly thereafter
- Minutes of these meetings shall be kept and made available to the inspector on request.

During the visit the manager cannot provide a copy of the minutes of the safety meetings held at the mine because they were sent to the head office. The manager shall ensure that copies of the minutes for all safety meetings are available at the mine office.

MANAGERS RESPONSE OF ACTION TAKEN

been returned to Mine office

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Inspector of Mines

6th Floor Victoria BC V8W 9N3

Address

Date of Inspection:

3/28/2012

Copies fo

Signature - Inspector of Mines

Signature - Manager

INSPECTION ORDERS

2. Section 3.4.1 Confined Space

The mine manager shall ensure that

- (a) written procedures are developed and implemented for work in confined spaces in consultation with the OHSC or worker representative, as applicable,
- (b) an inventory of all confined spaces is maintained.
- (c) each confined space is signed and secured from entry, where practicable, and
- (d) each person who is assigned duties or responsibilities related to entry into a confined space is adequately instructed and trained in confined space entry.

A couple of confined spaces were identified during the visit; the screen deck compartment, and a newly constructed hydro inspection well. The mine has no written procedures for confined space entry due to lack of confined space awareness program. The manager shall ensure that all workers who are required to work in confined spaces shall be provided with proper training, and a written procedure for working in confined spaces that conforms to the code requirement shall be developed. This shall be complied within 30 days.

MANAGERS RESPONSE OF ACTION TAKEN

A confined space course has been arranged fer Patrich and temp Shift boss Trever also a gas detetor will be purchased for the Quary ASAP.

P.S. Gerry B

a gavid has been installed for compressor belt on shop truck.

Palad

Date of Inspection

3/28/2012

Initials

(Inspector)

Initials

(Manager)

 From:
 Thorpe, Rolly EMPR:EX

 To:
 Bronstein, Nancy EMPR:EX

Subject: FW: Pan Pacific Quadling Quarry, Hydro line

Date: December 1, 2010 3:20:54 PM

FYI

From: Thorpe, Rolly EMPR:EX

Sent: Wednesday, December 1, 2010 3:03 PM

To: s.22

Cc: 'john.mellis@bchydro.com'; 'djpconsulting@shaw.ca'; Hoffman, Al EMPR:EX; Taje, Eddy EMPR:EX; Barcelonia, Gerry EMPR:EX; Paterson, Terry J EMPR:EX; Olsen, Michael EMPR:EX; Padley, Emmanuel

EMPR:EX; Booth, Richard EMPR:EX

Subject: Pan Pacific Quadling Quarry, Hydro line

Dear Mr. McSweeney: I spoke with you today regarding a complaint from BC Hydro. Hydro personnel phoned me on November 26, 2010 to report that quarry activities had undermined a 7200V cable, laying on the ground. This cable supplies power to Hydro customers, including a 911 emergency line.

I have reviewed your Quarry Permit (Q-7-086) and Condition 18 states: "The manager shall exercise due diligence in operating the pit to ensure that damage to the electric cable will be avoided. The 15 meter approach to the electric cable ... shall be increased where deemed prudent by the manager or upon request of BC Hydro." Under the Mines Act, Section 16: "An inspector may order the operation of a mine to be conducted in a manner that will not interfere with a public utility". Undermining the electric cable is a contravention of both your Quarry Permit and the Mines Act.

You told me today that you are aware of the cable and your responsibility to not damage it. You also said that presently, you are not mining near the cable and would not cause any damage to it.

I am ordering that you not blast within 100 meters of the cable or conduct any other activity that might damage the cable. This order will be in effect until quarry management and BC Hydro jointly develop a plan that allows mining without damaging the cable.

An inspector will visit the quarry site in the near future to observe the condition of the cable and the progress of your mining plan.

Sincerely, Rolly Thorpe

Rolly Thorpe, P.Eng

Deputy Chief Inspector of Mines, Health and Safety

Tel: 250 952-0464 Cell: 250 360-7594

e-mail: Rolly.Thorpe@gov.bc.ca



Tuesday, January 18, 2011

File: 18070-02-02 Mine No.: 0700412

Pan Pacific Quadling Quarry Ltd 260-2655 Clearbrook Road Abbotsford BC, V2T 2Y6

Dear Sir:

Re:

Mine Inspection January 11, 2011

Property: Pan Pacific Quadling Quarry

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Please have this report posted in a conspicuous place on the property accessible to the workers in accordance with Section 30(1) of the Mines Act.

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Yours truly,

Gerry Barcelonia Inspector of Mines

Enclosures

MINISTRY OF NATURAL RESOURCE OPERATIONS

REC'D FEB 0 1 2011

Ministry of Natural Resource Operations

PO Box 9320, Str Prov Govt Victoria, BC V8W 9N3 Telophone. Facsimile: 6th Floor 1810 Blanshard Street Victoria



Province of British Columbia

Ministry of Natural Resource Operations

Report of Inspector of Mines
(Issued pursuant to Section 15 of the Mines Act)

Inspection No.:

19462

File:

18070-02-02 0700412

Mine No.:

Permh No.;

Emp/Cont:

0 /

Orders H&S:

RECL:

Stop Work:

()

Inspection Report

NAME OF MINE

Pan Pacific Quadling Quarry

LOCALITY

49.117, -122.113

ABBOTSFORD

OWNER/OPERATOR

Pan Pacific Quadling Quarry Ltd

ADDRESS

260 - 2655 Clearbrook Road

Abbotsford BC V2T IV6

MANAGER

Patrick McSweeney

AREAS INSPECTED

Persons Contacted

MANAGEMENT

Patrick McSweency

OHS COMMITTEE

WORKERS

A copy has been forwarded to the Joint Occupational and Safety Cummittee and the union at applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the inspector within is days of receiving the report. Further the manager shall post a copy to the built-in board, to be replaced by a copy showing the manager's response. In this document, Code nices a Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

- 1. A haul truck was backed up more than four truck lengths on a leveled road towards a stockpile dump near the hopper. The manager shall not allow haul trucks to back up more than four truck lengths, unless the road has a positive gradient of more than 5% in accordance to Section 6.20.4(3) of the code.
- Spray cans at the MCC shack were not properly stored. The manager shall ensure that flammable substances shall be stored in appropriate covered containers in compliance with Section 2.3.8 of the code. This shall be complied with immediately.
- 3. No lock out procedure was available. The

MANAGERS RESPONSE OF ACTION TAKEN

A variance request has been sent to E Taje.

A box will be provided for the spray cans and stored in accordance with Section 2.3.8 of the code.

Gerry Barcelonia

Inspector of Mines

6th Ploor Blasnshard Street Victoria BC V8W 9M9

Address

Date of Inspection:

1/11/2011

Copies To

E. Taje

Signature - Inspector of Mines

Signature - Manager

Dated:

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INSPECTION ORDERS

manager shall develop a lock out procedure in compliance with Section 4.11.1(1) of the code, and all workers shall receive adequate training in the procedure and that a written copy shall be posted at conspicuous places. This shall be complied with in 15 days.

- 4. Safety meeting minutes indicated that workers were required to observe the standard work procedure. However, there is no available copy of the standard work procedure at the mine. The manager shall develop a general safety rules and safe work procedures on a departmental basis in compliance with Section 1.6.9 (1) of the code. A copy of this procedure shall be available anytime to all workers and to the inspector. This shall be complied with in 30 days.
- 5. It was noticed that the development area has been reactivated without notifying the inspector as required in response to inspection report no. 19217, dated Dec. 3, 2010. The manager shall forward a copy of the new agreement with BC Hydro and safe work procedures for working near the cable. This shall be complied with immediately.

MANAGERS RESPONSE OF ACTION TAKEN

- 3. A written procedure will be provided and the workers will be receive training and locks and tags will be provided.
- 4. A copy of the standardard work procedures will be provided to the workers. One copy will be in the office and one adjacent to the notice board.
- 5. A meeting was held on Dec 8 at Pan pacific Quadling Quarry with John Mellis underground manager and Aaron Norris senior engineer of B.C. Hydro and Dave Pow Vice President technical services and Quarry Engineer, and Patrick McSweeney superintendent, Mine manager

The matter of concern in the report of the inspection of Mines was discussed and the solution was that no minning activity will take place within 15meters of the hydro line in question.

B.C.Hydro felt parking of the drill and its accessories was O.K. with them. No equipment of PPQQ will be parked any closer than 3 meters of this cable.

It was a powerful, and positive meeting and solutions were resolved. It is unfortunate it had to come to this before action was taken. However a business bond and concerns were settled, and a development procedure is now acceptable to B.C. Hydro and our Engineer Dave Pow.

Also a special Safety meeting was held with the employees and contractors of PPQQ on Dec 13th and focused mostly on the high powered cables a the seriousness and respect needed for them on this project.

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Date of Inspection

1/11/2011

Initial5

(Inspector)

Initials

(Manager)



FIEBER ROCK ENGINEERING SERVICES

300 – 3665 KINGSWAY, VANCOUVER, B.C. V5R 5W2 TEL: 604-431-8061 FAX: 604-521-7372

February 8, 2010

To: Mr. Patrick McSweeney,

Manager,

Pumptown Quarry Inc., 260-2655 Clearbrook Rd., Abbotsford, BC V2T 2Y6

Re: Slope Inspection - Pumptown Quarry West 2000 Access Road

1. Introduction

At your request, I inspected the cut slopes on the above access road on February 4, 2010. At the time of my inspection, the heading had reached approximately Sta. 0+330. In order to cross a major draw beyond this point it was necessary to turn the direction of the ramp upslope, changing the azimuth of the road by about 40°.

2. Slope Stability

The inspection focused on the portion of the road above the switchback (near Sta. 0+160) where deposits of overburden soils and stumps comprise the primary rockfall hazard on the access road. A crew from Pacific Blasting Ltd. was on site during my inspection, carrying out scaling of the overburden.

Photo 1 shows the access ramp from the switchback to the area where the heading direction changes at Sta. 0+280. Scaling of the overburden and crest of the cut are recommended in the indicated area. As shown in the photo, dominant jointing in the rock is approximately 70°/140° which roughly parallels the orientation of the road cut. A secondary joint set, which is more prominent in the bottom areas of the ramp, is perpendicular to the cut. This has resulted in rock slopes that have exposed relatively few adverse joints.

Since turning the access upslope at Sta. 0+280 however, some instability has been encountered as the cut is at an angle to the dominant jointing and therefore trimming and scaling of the rock face is recommended, as shown in Photo 2.

Because the hazards east of Sta. 0+280 are in the active work area, the recommended stabilization in Photo 2 should be completed before any further drilling and blasting of the heading is undertaken. Scaling of the ramp from the switchback to Sta. 0+280 can be considered a lower priority, which will allow personnel and equipment to travel through the area but not to work below the cut faces.

2. Blasting

During my inspection, changes in the blasting and detonation procedures were also discussed. In blasting the bulk of the West 2000 ramp the blaster has been detonating the inside holes of the slash rounds first. This has the effect of confining the charge and reducing throw of flyrock from the blast face. Since dominant jointing was oriented parallel to the cut, any overbreak would usually come out with the blast or could be scaled with the hoe to a stable face. Due to the change in heading direction past Sta. 0+280 and the fact that more adverse structure is being exposed in the face, it is recommended that the detonation sequence be changed so that holes on the inside of the slash round are fired last. This will give more relief to these holes and reduce the potential for backbreak.

A further change discussed involves increasing the diameter of the borehole to 75 mm (3 inches) to allow for easier loading of the holes. As only cartridge explosives are currently being loaded, this change will not result in an increase in the powder factor.

I recommend that you apply for an amendment to the permit so that these changes can be made for subsequent blasts.

Please call if you if you have any questions on the above.

Yours sincerely,

Daryl F. Fieber, P.Eng.

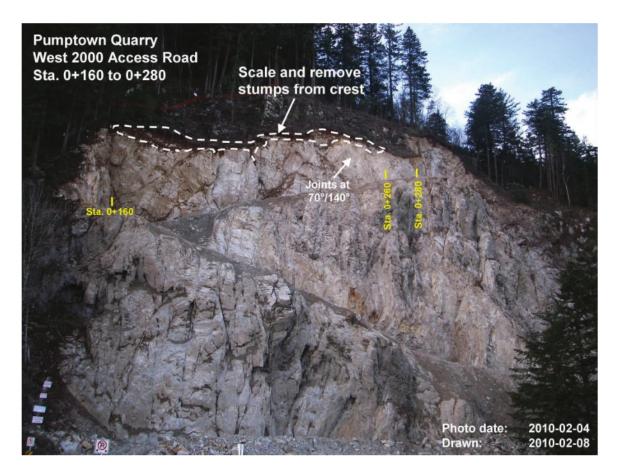


Photo 1 View of slope showing the West 2000 access road. In the upper portion of the ramp, the main slope stability hazards are the overburden and crest areas of the cut, where scaling is recommended.

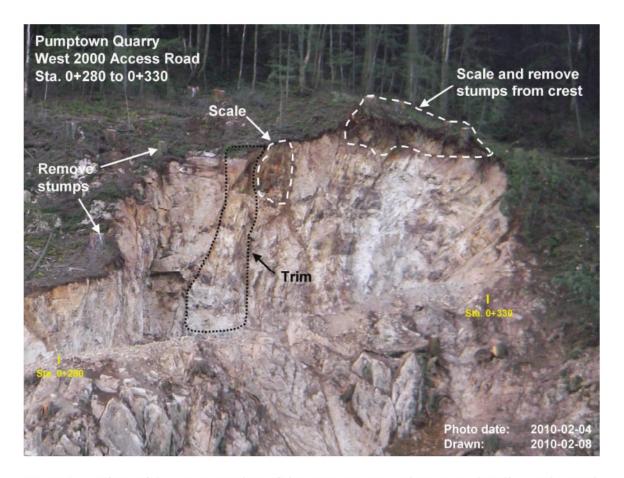


Photo 2 View of the upper portion of the access ramp at the current heading. The road cut changes direction at around Sta. 0+280 (photo left), resulting in some undercutting of the major structure and increasing the potential for blasting backbreak.



Province of British Columbia

Ministry of Natural Resource Operations

Report of Inspector of Mines (Issued pursuant to Section 15 of the Mines Act)

Inspection No.:

19460

File:

18080-02-02

Mine No.:

0700614

Permit No.: Emp/Cont: G-7-22

Orders H&S:

RECL:

0

Stop Work:

0

Inspection Report

NAME OF MINE

KEYSTONE AVENUE (31489/31587)

LOCALITY

49.184, -122.354

MISSION

OWNER/OPERATOR

Allard Contractors Ltd.

ADDRESS

Box 47

Port Coquitlam BC V3C 3V5

MANAGER

James T. Allard

AREAS INSPECTED

Pit & crusher

Persons Contacted

MANAGEMENT -

Bob Peters

OHS COMMITTEE

WORKERS

A copy has been forwarded to the Joint Occupational and Safety Committee and the union as applicable. The Mine manager shall complete the right hand column noting specific corrective actions taken by a specified date, and return a copy to the Inspector within 15 days of receiving the report. Further the manager shall post a copy to the bulletin board, to be replaced by a copy showing the manager's response. In this document, Code means Health, Safety and Reclamation Code for Mines in British Columbia.

INSPECTION ORDERS

The inspection was accompanied by Doug Hayes-Forest C&E Technician, as a part of his orientation under the RMCP. The pit was not operating during the time of visit.

- Two loaders were parked near the office without wheel chocks. The manager shall ensure that all rubber tired mobile equipment over 7000 kgs. GVW shall be provided with wheel chocks and shall be used when needed. This shall be complied with immediately. Section 4.9.4(1).
- 2. Two tail pulleys below the screener were not effectively guarded. These sections of the

MANAGERS RESPONSE OF ACTION TAKEN

All loader operators have been instructed to put chocks under wheels when parked.

Crusher operator has been instructed to guard tail pulleys effectively.

Gerry Barcelonia	- Andrea
Inspector of Mines	Signature - Inspector of Mines
6th Floor 1810 Blanshard Street Victoria BC V8W 9M9	Discond
Address	Signature - Manager

Date of Inspection:

1/12/2011

Dated:

January 25

, 2011

Copies To

E. Taje

INSPECTION ORDERS

conveyor system shall not be operated until effective guards are in place in accordance to Section 4.4.16(6).

- 3. The pull cords in some accessible conveyor line were missing. The manager shall ensure that accessible sections of the conveyor system is provided with pull cord system in accordance with Section 4.4.16(4). This shall be complied within 15 days.
- 4. The guardrail installed for a walkway beside the screw classifier did not have a mid rail. The manager shall ensure that standard guardrail is installed in accordance with the definition of "Standard Guardrail" under Part 6 of the code. This shall be complied with in 15 days.

MANAGERS RESPONSE OF ACTION TAKEN

Crusher operator has been instructed to replace pull cords where necessary.

Crusher operator has been instructed to install a mid rail on the quard rail.

Initials

(Inspector)